163rd
Annual Report
of the Trustees

*

MASSACHUSETTS GENERAL HOSPITAL
1976

OFFICERS AND STAFF

1977

*

THE GENERAL HOSPITAL
Boston, Massachusetts
02114

McLEAN HOSPITAL
Belmont, Massachusetts
02178

THE MASSACHUSETTS GENERAL HOSPITAL

1. Sleeper Hall
2. Bartlett Hall Nurses Residence (1954)
3. Shriners Burns Institute, staffed by MGH doctors
4. Edwards Memorial Research Building (1951)
5. Bulfinch Building (1821)
6. Gray Building, Jackson Tower, and Bigelow Tower (1969)
7. Cox Center (1975)
8. Baker Memorial (1930)
9. Warren Building (1956)
10. Phillips House (1917)
11. Massachusetts Eye and Ear Infirmary, affiliated with the MGH
12. Ambulatory Care Division (1903)
13. Walcott House (1913)
14. Moseley Building (1916)
15. George Robert White Building (1939)
16. Vincent Memorial Hospital and Burnham Memorial for Children (1949)

One Hundred and Sixty-Third Annual Report of the Trustees

of

THE MASSACHUSETTS GENERAL HOSPITAL

INCLUDING THE GENERAL HOSPITAL IN BOSTON

and

McLEAN HOSPITAL IN BELMONT

1976

OFFICERS AND STAFF

1977

TRUSTEES

JOHN E. LAWRENCE, Esq., *Chairman*

FRANCIS H. BURR, Esq.	*MRS. R. MORTON CLAFLIN
GEORGE PUTNAM	*MAURICE LAZARUS
G. LAMAR CRITTENDEN	F. SARGENT CHEEVER, M.D.
NELSON J. DARLING, JR., Esq.	*MRS. RUTH M. BATSON
W. NICHOLAS THORNDIKE	*MARC J. ROBERTS, Ph.D.

WILLIAM J. McCUNE, JR.

Honorary Trustees: SIDNEY R. RABB, PHILIP H. THEOPOLD, LLOYD D. BRACE, and FRANCIS O. SCHMITT, Ph.D.

*Appointed by the Governor of the Commonwealth

BOSTON, MASSACHUSETTS

General Information

The Massachusetts General Hospital is a private nonprofit institution incorporated by special act of the General Court of the Commonwealth in 1811. The Corporation includes **The Massachusetts General Hospital, McLean Hospital,** and **The Massachusetts General Hospital Education Division. The General Hospital** includes the **Baker Memorial,** the **Burnham Memorial for Children, Phillips House,** and the **John Collins Warren Laboratories** of the Huntington Memorial Hospital of Harvard University. Entrances to The General Hospital are on Fruit Street at the end of North Grove Street, on Blossom Street, and on Charles Street in Boston. **McLean Hospital,** in Belmont, Massachusetts, is a psychiatric hospital. **Vincent Memorial Hospital** is a separate institution staffed and managed by the Gynecological Service of The General Hospital.

Other Facilities

The Emergency Ward, located at the Fruit Street entrance of The General Hospital, is open 24 hours a day.

The *Ambulatory Care Division* is available to patients, without regard to financial status, during daytime hours. Appointments may be made by mail, telephone, or personal application at the Clinics Admitting Desk (entrance off Fruit Street).

Logan Airport Medical Station is an extension of The General Hospital serving passengers, employees, and visitors at the airport.

MGH-Bunker Hill Health Center, located on High Street in Charlestown, is a facility of The General Hospital devoted to the medical care of Charlestown residents.

MGH-Chelsea Health Center, a similar facility located at 111 Bellingham Street in Chelsea, provides care to the residents of Chelsea and neighboring communities.

The General Hospital is affiliated with the Massachusetts Eye and Ear Infirmary and the Shriners Hospitals for Crippled Children, Burns Institute, Boston Unit.

The Massachusetts General Hospital is

— A member of the American Hospital Association and the Massachusetts Hospital Association
— Accredited by the Joint Commission on Accreditation of Hospitals of the United States and Canada
— Approved for residency training by The American Medical Association

Contents

Page

ADMINISTRATION: Massachusetts General Hospital 13
McLean Hospital 212
ADMINISTRATIVE SERVICES, Report of 141
ADVISORY COUNCIL TO THE SCHOOL OF NURSING, Report of 125
AMBULATORY CARE DIVISION, Report of 75
BAKER MEMORIAL HOSPITAL: Patient Statistics 169
BOARD OF MANAGERS, MEDICAL CLINICS COMPLEX, Report of 77
BUNKER HILL HEALTH CENTER, Report of 130
CHELSEA HEALTH CENTER, Report of 133
CHILDREN'S SERVICE (BURNHAM DIVISION FOR CHILDREN) Report of 73
DALTON SCHOLARSHIPS 166
DERMATOLOGY SERVICE, Report of 79
DIAGNOSTIC SUPPORT SERVICES, Report of 152
DIETARY DEPARTMENT, Report of 138
DIRECTORY OF HOSPITAL STAFF AND ALUMNI 239
Geographical List 382
DISTAFF CLUB (see Report of the Service League, p. 164) 164
FUNDS 182
GENERAL DIRECTOR, Report of 63
GENERAL EXECUTIVE COMMITTEE, Report of 66
Members 10
GENERAL HOSPITAL: Patient Statistics 169
GENERAL SERVICES DEPARTMENT, Report of 144
GENERAL STORE, Financial Report of 163
GIFTS AND BEQUESTS 200
HUNTINGTON MEMORIAL HOSPITAL, J. COLLINS WARREN LABORATORIES, Report of 109
INCOME FUNDS: MGH and McLean 206
LADIES VISITING COMMITTEE 162
LOGAN INTERNATIONAL AIRPORT, MEDICAL STATION AT, Report of 135
MANAGEMENT SERVICES, Report of 146
MASSACHUSETTS EYE AND EAR INFIRMARY, Staff 51
MATERIALS MANAGEMENT, Report of 148
MEDICAL SERVICES, Report of 82
McLEAN HOSPITAL 207
Administration 212
Annual Reports
Administrator 229
Assistant Director for Fiscal Affairs 231
Director 221
Psychiatrist in Chief 225
Corporation 209
Director's Equity, Statement of 237
Hospital Population and Statistics 233
Operating Statement 238
Staff 213
Trustees 208
NEUROSURGICAL SERVICE, Report of 85
NURSING, DEPARTMENT OF, Report of 118

Page

NURSING, SCHOOL OF, Report of 121
OFFICERS OF THE INSTITUTION 5
MGH Trustees, Corporation 5
McLean Hospital 208
Vincent Memorial Hospital 112
ORAL SURGICAL SERVICE, Report of 87
ORTHOPAEDIC SERVICE, Report of 89
PASTORAL SERVICES, DEPARTMENT OF, Report of 154
PATHOLOGY, DEPARTMENT OF, Report of 92
PHILLIPS HOUSE: Patient Statistics 169
PSYCHIATRY, DEPARTMENT OF, Report of 95
RADIATION MEDICINE, DEPARTMENT OF, Report of 97
RADIOLOGY, DEPARTMENT OF, Report of 100
RESEARCH, COMMITTEE ON: Report of 69
Members 9
SERVICE LEAGUE, Report of 164
SOCIAL SERVICE DEPARTMENT, Report of 127
STAFF, MGH: Medical Division 17
Surgical Division 28
Burnham Divison for Children 25
Departments 34
House Staff 40
Clinical and Research Fellows 47
STATISTICAL AND COMPARATIVE TABLES
Ambulatory Care Division 171
Bunker Hill and Chelsea Centers 168
Inpatient Statistics 169
Diagnostic Radiology 171
Radiation Medicine (Radiation Therapy) 172
Rehabilitation Medicine 172
SURGICAL SERVICES, Report of 103
THERAPEUTIC SUPPORT SERVICES, Report of 152
TREADWELL LIBRARY, Report of 156
TREASURER'S REPORT 173
Balance Sheet 174
Operating Statement, General Hospital 177
Operating Statement, McLean Hospital 178
Statement of Changes in Financial Position 179
Statement of Fund Expenditures 181
Funds 182
Gifts and Bequests 200
TRUSTEES, MGH 5
Annual Report 58
Other Members of the Corporation 6
Standing and Combined Committees 8
UROLOGICAL SERVICE, Report of 107
VINCENT MEMORIAL HOSPITAL
Trustees, Board of Managers 112
Staff 113
Chief of Staff, Report of 114
Board of Managers, Report of 116
VOLUNTEER DEPARTMENT, Report of 158
VOLUNTEER SERVICES COMMITTEE: Report of 161
Members 12
WARREN TRIENNIAL PRIZE 166
WILLS AND BEQUESTS 167

MASSACHUSETTS GENERAL HOSPITAL

OFFICERS OF THE INSTITUTION, 1977

President
Lloyd D. Brace

Vice-President
Henry R. Guild, Esq.

Treasurer
G. Lamar Crittenden

Secretary
William A. Waldron, Esq.

Assistant Treasurer and
Assistant Secretary
Orrin G. Wood, Jr.

Trustees

1947	John E. Lawrence, Esq., *Chairman,* 177 Milk Street 02109
1962	Francis H. Burr, Esq., 225 Franklin Street 02110
1963	George Putnam, 265 Franklin Street 02110
1968	G. Lamar Crittenden, 100 Federal Street 02110
1969	Nelson J. Darling, Jr., Esq., 100 Federal Street 02110
1969	W. Nicholas Thorndike, 28 State Street 02109
1973	*Mrs. R. Morton Claflin, 37 Chestnut Street 02108
1974	*Maurice Lazarus, 50 Cornhill 02108
1975	F. Sargent Cheever, M.D., 30 Pond Road, Wellesley 02181
1975	*Mrs. Ruth M. Batson, 160 Ruthven Street, Dorchester 02121
1976	*Marc J. Roberts, Ph.D., 164 Highland Avenue, Newton 02160
1976	William J. McCune, Jr., 549 Technology Square, Cambridge 02139

Honorary Trustees

1974	Sidney R. Rabb, 393 D Street, Boston 02210
1975	Philip H. Theopold, 294 Washington Street 02108
1976	Lloyd D. Brace, 100 Federal Street 02110
1976	Francis O. Schmitt, Ph.D., M.I.T. Neurosciences Research Program, 165 Allandale Street, Jamaica Plain Station, Boston 02130

*Appointed by the Governor of the Commonwealth

MEMBERS OF THE CORPORATION

LIFE MEMBERS

O. Kelley Anderson
G. Storer Baldwin
Mrs. James T. Baldwin
Mrs. Henry M. Bliss
Lloyd D. Brace
Mrs. Lloyd D. Brace
J. Howard Bushway
Mrs. Charles C. Cabot
Thomas D. Cabot
John P. Chase
Theodore Chase, Esq.
Charles E. Cotting
Mrs. Richard E. Danielson
Miss Betty Dumaine
Robert R. Duncan
Charles J. Dunn, Esq.
William Ehrlich
Mrs. Gardiner H. Fiske
Henry R. Guild, Sr., Esq.
Mrs. Francis C. Gray
Edward B. Hanify, Esq.
Roy J. Heffernan, M.D.
Harvey P. Hood
William T. Kemble
Mrs. J. Wheaton Kittredge, Jr.
John E. Lawrence, Esq.
Henry A. Laughlin
Ralph Lowell
Joseph W. Lund
James H. Orr
Miss Amelia Peabody
Sidney R. Rabb
William N. Rand
Miss Anna P. Revere
Francis O. Schmitt, Ph.D.
Right Reverend Henry K. Sherrill
Raymond S. Stevens
Thomas C. Thacher
Philip H. Theopold
Mrs. Augustus Thorndike
Richard K. Thorndike
Samuel J. Tomasello
John B. Vernaglia, M.D.
F. Frank Vorenberg
Edward A. Weeks, Jr.

TERM MEMBERS

Term Expiring at Annual Meeting in 1978

William H. Claflin
Mrs. Charles A. Coolidge
Charles C. Cunningham, Jr.
William R. Driver, Jr.
Henry R. Guild, Jr., Esq.
Franklin A. Lindsay
Joseph L. Mailman
Mrs. Charles E. Merrill, Jr.
James Jackson Minot
His Honor Joseph L. Tauro

Term Expiring at Annual Meeting in 1979

Walter Berman
Hadley Case
Sewall H. Fessenden, Jr.
Laurence E. Fouraker
Edward C. Johnson III
Roderick M. MacDougall
Frederick S. Moseley III
Irving E. Rogers
Henry S. Streeter, Esq.
Frederick G. P. Thorne
Henry Wheeler, Esq.

Term Expiring at Annual Meeting in 1980

Mrs. Charles Almy
Mrs. Adeline Ameno
Alfred W. Baldwin
The Reverend Laurence J. Borges
Henri J. Bourneuf
Haskell Cohn, Esq.
William C. Cox, Jr.
Mrs. Donald R. Dwight
Donald J. Hurley, Esq.
Mrs. John M. Myers
Mrs. Clelia Orlandi
Bertram Parker
His Honor Lawrence T. Perera
John L. Quigley
Mrs. George S. Richardson
Jacob Saliba

Term Expiring at Annual Meeting in 1980

Lloyd C. Elam, M.D.
Alfred W. Fuller, Esq.
Mrs. Alden I. Gifford, Jr.
Morris Gray
Charles W. Schmidt
John B. Scrivano
Mrs. Roland W. Whitridge
Mrs. Elaine Wilson

Term Expiring at Annual Meeting in 1981

Bushrod H. Campbell
Mrs. Donald F. Cutler
Henry M. Fawcett
Robert L. Fondren
Gilbert H. Hood, Jr.
S. Lang Makrauer, Esq.
Mrs. Francis U. Paige

Term Expiring at Annual Meeting in 1982

Mrs. Nelson W. Aldrich
James Barr Ames, Esq.
Joseph W. Bartlett, Esq.
Mrs. Ruth M. Batson
Francis H. Burr, Esq.
Walter M. Cabot
Norman L. Cahners
F. Sargent Cheever, M.D.
Landon T. Clay
Right Reverend John B. Coburn
Ferdinand Colloredo-Mansfeld
Mrs. A. Werk Cook
Mrs. William C. Cox
G. Lamar Crittenden
Nelson J. Darling, Jr., Esq.
Alexander Ellis, Jr.
George R. Frick
Richard Harte, Jr.
John A. Kaneb
Senator Edward M. Kennedy
John H. Knowles, M.D.
Maurice Lazarus
David S. Lee
Mrs. John H. Livens
William J. McCune, Jr.
William C. Mercer
John N. Philips
George Putnam
Mrs. Karl Riemer
Marc J. Roberts, Ph.D.
Mrs. Horatio Rogers
Samuel S. Rogers
Jose M. Soriano
John K. Spring
W. Nicholas Thorndike
Jeptha H. Wade, Esq.
John P. Weitzel, Esq.

STANDING COMMITTEES OF THE TRUSTEES

FINANCE

BUDGET AND AUDIT

LEGAL AFFAIRS

VISITING COMMITTEE FOR McLEAN HOSPITAL

HALL-MERCER HOSPITAL

MEMORIALS COMMITTEE

NOMINATING COMMITTEE

COMPENSATION COMMITTEE

COMBINED COMMITTEES OF TRUSTEES AND STAFF

GENERAL HOSPITAL

McLEAN HOSPITAL

PHILLIPS HOUSE-BAKER MEMORIAL

PLANNING AND BUILDING COMMITTEE

COMMITTEE TO REVIEW GROUP B APPOINTMENTS

SCIENTIFIC ADVISORY COMMITTEE

Harold Amos, Ph.D.
Paul B. Beeson, M.D.C.M.
Rupert E. Billingham, D.Sc.
Julius H. Comroe, Jr., M.D.
Herman N. Eisen, M.D.
P. Roy Vagelos, M.D.
Jerome B. Wiesner, Ph.D.

COMMITTEE ON RESEARCH, 1976

Dr. Cheever, Professor Schmitt, and Mr. Putnam

John T. Potts, Jr., M.D.
Chairman
Mr. David C. Crockett
Vice Chairman
Ronald W. Lamont-Havers, M.D.
Executive Secretary
Edgar B. Taft, M.D.
Assistant Executive Secretary
Raymond D. Adams, M.D.
Adelbert Ames III, M.D.
W. Gerald Austen, M.D.
Joseph Avruch, M.D.
Howard P. Baden, M.D.
Ross J. Baldessarini, M.D.
G. Octo Barnett, M.D.
William S. Beck, M.D.
Paul H. Black, M.D.
Kurt J. Bloch, M.D.
Gordon L. Brownell, Ph.D.
John F. Burke, M.D.
John F. Codington, Ph.D.
Carl F. Cori, M.D.
John D. Crawford, M.D.
Robert M. Crowell, M.D.
Donald R. DiBona, Ph.D.
Claes Henrick Dohlman, M.D., Dr. Phil.
Patrick Donahue, M.D.
Ann M. Dvorak, M.D.
Harold F. Dvorak, M.D.
Robert H. Ebert, M.D., Ph.D.
Richard W. Erbe, M.D.
Edward R. Epp, Ph.D.
C. Miller, Fisher, M.D.
Thomas B. Fitzpatrick, M.D., Ph.D.
Jordi Folch-Pi, M.D.
Shervert H. Frazier, M.D.
Hermes C. Grillo, M.D.
Jerome Gross, M.D.
Walter C. Guralnick, D.M.D.
Edgar Haber, M.D.
Joel F. Habener, M.D.
Thomas P. Hackett, M.D.
William H. Harris, M.D.
W. Hardy Hendren, M.D.
Charles E. Huggins, M.D.
Kurt J. Isselbacher, M.D.
Robert W. Jeanloz, D.Sc.
Herman M. Kalckar, M.D., Ph.D.
Seymour S. Kety, M.D.
Richard J. Kitz, M.D.
Gerald L. Klerman, M.D.
Stephen M. Krane, M.D.
Myron B. Laver, M.D.
Alexander Leaf, M.D.
Ronald A. Malt, M.D.
Henry J. Mankin, M.D.
Michael N. Margolies, M.D.
Mr. Lawrence E. Martin
Janet W. McArthur, M.D.
Robert T. McCluskey M.D.
Bucknam McPeek, M.D.
Ralph G. Meader, Ph.D.
John A. Mills, M.D.
George L. Nardi, M.D.
James H. Nelson, Jr., M.D.
Henning Pontoppidan, M.D.
Alfred Pope, M.D.
George R. Prout, Jr., M.D.
Edward P. Richardson, Jr., M.D.
George S. Richardson, M.D.
Paul S. Russell, M.D.
Charles A. Sanders, M.D.
Harold F. Schuknecht, M.D.
Jesse F. Scott, M.D.
Robert E. Scully, M.D.
Thomas P. Stossel, M.D.
Herman D. Suit, M.D.
Morton N. Swartz, M.D.
William H. Sweet, M.D., Sc.D.
Nathan B. Talbot, M.D.
Juan M. Taveras, M.D.
Robert L. Trelstad, M.D.
Howard Ulfelder, M.D.
Austin L. Vickery, Jr., M.D.
W. Allan Walker, M.D.
Chiu-chen Wang, M.D.
Edward W. Webster, Ph.D.
Arnold N. Weinberg, M.D.
Avery D. Weisman, M.D.
Henry J. Winn, Ph.D.
Paul C. Zamecnik, M.D.

GENERAL EXECUTIVE COMMITTEE

Robert T. McCluskey, M.D.
Chairman
Henry J. Mankin, M.D.
Vice Chairman
Raymond D. Adams, M.D.
W. Gerald Austen, M.D.
George P. Baker, Jr., M.D.
Miss Eleanor Clark
Joseph T. Ferrucci, M.D.
Thomas B. Fitzpatrick, M.D.
Shervert H. Frazier, M.D.
Hermes C. Grillo, M.D.
Thomas P. Hackett, M.D.
Richard J. Kitz, M.D.
Alexander Leaf, M.D.
Robert T. McCluskey, M.D.
Henry J. Mankin, M.D.
Mr. Lawrence E. Martin
James H. Nelson, Jr., M.D.
John T. Potts, Jr., M.D.
George R. Prout, Jr., M.D.
Charles A. Sanders, M.D.
John D. Stoeckle, M.D.
Herman D. Suit, M.D.
William H. Sweet, M.D.
Nathan B. Talbot, M.D.
Juan M. Taveras, M.D.
Earle W. Wilkins, Jr., M.D.

COMMITTEE ON TEACHING AND EDUCATION
1975-1976

Raymond D. Adams, M.D.
W. Gerald Austen, M.D.
Mrs. Kay W. Bander
G. Octo Barnett, M.D.
Miss Jacqueline Bastille
Mr. David C. Crockett
Gellestrina T. DiMaggio, R.N.
Mr. Joseph C. Donnelly, Jr.
Shirley Duggan, R.N.
Thomas S. Durant, M.D.
Robert Ebert, M.D.
Mrs. Barbara Farquhar
Stephen E. Goldfinger, M.D.
Walter Guralnick, D.M.D.
Richard J. Kitz, M.D.
Alexander Leaf, M.D.
Robert D. Leffert, M.D.
Mary E. Macdonald, R.N.
Henry J. Mankin, M.D., *Chairman*
Bucknam McPeek, M.D.
Elliott V. Miller, M.D.
James H. Nelson, Jr., M.D.
Thomas C. Peebles, M.D.
Natalie Petzold, R.N.
George R. Prout, Jr., M.D.
Mary H. Regan, R.N.
Mrs. Cherryl Ringgold
Paul S. Russell, M.D.
Charles A. Sanders, M.D.
Herman D. Suit, M.D.
William H. Sweet, M.D.
Juan Taveras, M.D.
Chiu-An Wang, M.D.
Arnold N. Weinberg, M.D.
D. Michael Young, M.D.
Trustees
Mr. Francis H. Burr
Mr. Nelson J. Darling, Jr.
Mr. John E. Lawrence

UTILIZATION REVIEW COMMITTEE

Raymond D. Adams, M.D.
W. Gerald Austen, M.D.
George P. Baker, Jr., M.D., *Chairman*
G. Octo Barnett, M.D.
William S. Beck, M.D.
Glenn E. Behringer, M.D.
Miss Eleanor Clark
John C. Dalton, M.D.
Thomas S. Durant, M.D., *Exec. Secretary*
Daniel S. Ellis, M.D.
Miss Ruth M. Farrisey
Thomas B. Fitzpatrick, M.D.
Alexander Leaf, M.D.
Miss Mary E. Macdonald
Henry J. Mankin, M.D.
Robert T. McCluskey, M.D.
Ashby C. Moncure, M.D.
Bucknam McPeek, M.D.
James H. Nelson, Sr., M.D.
Mrs. Cecelia Novak
Miss Joanne O'Brien
Robert G. Ojemann
Miss Linda Peterson
George R. Prout, Jr., M.D.

Allan Goldblatt, M.D.
Richard L. Goldstein, M.D.
Miss Joyce Gormley
Frederick G. Guggenheim, M.D.
Walter Guralnick, D.M.D.
Mr. Marvin Guthrie
Thomas P. Hackett, M.D.
Stephen E. Hedberg, M.D.
James I. Huddleston, M.D.
Charles E. Huggins, M.D.
Mr. Stephen Kauffman
Richard J. Kitz, M.D.
Lawrence J. Kunz, M.D.
Miss Mary Quinlan
Miss Mary Regan
Sidney V. Rieder, Ph.D.
Charles A. Sanders, M.D.
Miss Mary Ann Slowick
Michael Somand, M.D.
Miss Mary Ann Spicer
Herman O. Suit, M.D.
William H. Sweet, M.D.
Juan M. Taveras, M.D.
Miss Isabella Tighe
Mr. James M. Vaccarino
Edwin O. Wheeler, M.D.
Earle W. Wilkins, Jr., M.D.

ADVISORY COUNCIL TO THE SCHOOL OF NURSING

Mr. Maurice J. Downey, *Chairman*

Dr. Michael Anello
Dr. Ann S. Baker
Miss Helen C. Belcher
Miss Alice M. Dempsey
Mrs. Harris Fahnestock
Mrs. Casper Ferguson
Miss Susan L. Fisher
Mrs. Carl J. Gilbert
Dr. Anne Kibrick
Miss Mary E. Macdonald
Miss Helena T. McDonough
Mrs. David H. Morse
Miss Eleanor Murphy
Mr. Ronald S. Nichols, *ex officio*
Miss Joanne O'Brien
Mrs. Oliver Oldman
Miss Natalie Petzold
Miss Marguerite M. Ryan
Dr. Charles A. Sanders
Mrs. Elizabeth D. Sheehy

Honorary Members

Mrs. Henry Bigelow
Mrs. Lloyd D. Brace
Mrs. W.K. Jordan

SOCIAL SERVICE ADVISORY COMMITTEE

Edward F. Bland, M.D., *Chairman*
George P. Baker, Jr., M.D.
Miss Josephine C. Barbour
Mrs. George P. Blackman
Leo B. Burgin, M.D.
Mrs. R. Morton Claflin
Thomas F. Gephart, M.D.
Mrs. Victor O. Jones
Rita M. Kelley, M.D.
Alexander Leaf, M.D.
Miss Mary E. Macdonald
Ernest H. Picard, M.D.
The Reverend Allan W. Reed
Charles A. Sanders, M.D.
J. Gordon Scannell, M.D.
Nina Tolkoff-Rubin, M.D.
Miss Isabella Tighe
Mrs. Diana Waldfogel
Charles Weiss, M.D.
Mrs. Harry R. Healey, Jr.
Mrs. George Richardson
Mr. Nat Butler

RESOURCES AND DEVELOPMENT COMMITTEE

Mr. W. Nicholas Thorndike, *Chairman*
Mr. Joseph C. Donnelly, Jr., *Secretary*
Mr. Walter Cabot
Mrs. R. Morton Claflin
Mr. Donald F. Cutler
Mr. Nelson A. Darling, Jr.
Alfred Fuller, Esq.
Mr. Bradford J. Johnson
Mr. Roderick M. MacDougall
Mr. Colman M. Mockler, Jr.
Mr. Alan R. Morse, Jr.
Mr. Frederick S. Moseley III
Mrs. Francis U. Paige
Mrs. Karl Riemer

Mr. Charles W. Schmidt
Mr. Jacob Saliba

Members Ex Officio

Mr. Lloyd D. Brace
Dr. Charles A. Sanders
Mr. John E. Lawrence

TRUSTEE ADVISORY COMMITTEE TO VOLUNTEER DEPARTMENT

W. Davies Sohier, Jr., M.D., *Chairman*

Miss Mary Ruth Wolf, *Secretary*
Miss Marjorie T. Bennett
Ronald Benz, M.D.
Mrs. Taylor Black
Mrs. R. Morton Claflin
Mrs. Courtenay Crocker, Jr.
Gellestrina DiMaggio, R.N.
Mr. Richard Felone
J. Warren Harthorne, M.D.
Mrs. Harry R. Healey, Jr.
Charles E. Huggins, M.D.
Mr. Thomas B. Hunnewell
Mr. Oscar R. Miller
Mrs. Karl Riemer
Mrs. Glenn Roberson
Mrs. Joan Sing
Beverly J. Thoren, R.N.
Mrs. Michael Wynne-Willson

VOLUNTEER SERVICES COMMITTEE

Mrs. Nelson W. Aldrich, *Chairman*
Miss Marjorie T. Bennett, *Secretary*
Mrs. George L. Blackman, *Coordinator*
Mrs. R. Morton Claflin, *Trustee*
Mrs. Karl Riemer, *Chairman, Ladies' Visiting Committee*
Mrs. John S. Raker, *President, MGH Service League*
Mrs. Courtenay Crocker, Jr., *President, Vincent Board of Managers*
Mrs. John Lowell, *Chairman, Ladies' Visiting Committee of M.E.E.I.*
Mrs. Ann Dunn, *Director of Volunteers, McLean Hospital*
Mrs. Elaine Wilson, *Director, North End Community Health Center*
Mrs. Anne Anderson, *President, Board, Bunker Hill Health Center*
Mrs. Helen Hederson, *Chelsea Health Center*
Miss Mary Ruth Wolf, *Director, MGH Volunteer Department*

ADMINISTRATION

General Director
Charles A. Sanders, M.D.

Associate General Director
Lawrence E. Martin

Director of Operations
DeLanson Y. Hopkins

Kay W. Bander, *Asst. to the General Director*
Richard C. Daggett, *Director of Human Resources*
Myle J. Holley III, *Director of Diagnostic Support Services*
Edward M. Kaplan, *Director of Management Services*
Stephen H. Kauffman, *Director of Administrative Services*
Randall P. McDonnell, *Director of Materials Management*
Gilbert J. Nessolini, *Director of General Services*
David M. Semple, *Director of Therapeutic Support Services*
Thomas W. Schultz, *Assistant Director of Administrative Services*
Burgess P. Standley, *Director of Planning*
Isabella Tighe, *Patient Care Representative*
Joseph P. McCue, *Director of Fiscal Affairs*

Assistant Director
Thomas S. Durant, M.D.

Deputies to the General Director
David C. Crockett
Joseph C. Donnelly, Jr.

Director of Educational Planning
Richard J. Olsen

Deputy to the General Director for Research Policy and Administration
Ronald W. Lamont-Havers, M.D.

Deputy to the General Director for News and Public Affairs
Martin S. Bander

Director of the Ambulatory Care Division and Ambulatory Care Planning
Jerome H. Grossman, M.D.

Assistant to the General Director for Special Projects
Ferdinand Strauss II

Resources and Development

Director
Joseph C. Donnelly, Jr.

Associate for Development
Dorothy L. Higgins

Assistant to the General Director for Special Projects
William H. Boardman

Leslie E. Byrne

Office of the General Counsel
General Counsel
William A. Waldron

Staff Counsel
Marvin C. Guthrie
John M. Pender
James M. Vaccarino

BUDGET COMMITTEE

Joseph P. McCue, *Chairman*
DeLanson Y. Hopkins
Edward M. Kaplan
John A. Mahoney
I. Jerome O'Connor

FINANCIAL PLANNING COMMITTEE

Lawrence E. Martin, *Chairman*
Kay W. Bander
David C. Crockett
Joseph C. Donnelly, Jr.
DeLanson Y. Hopkins
Henry J. Langevin
Joseph P. McCue
Arnold R. Saitow
Charles A. Sanders, M.D.
Burgess P. Standley
Orrin G. Wood, Jr.

OPERATIONS COMMITTEE

DeLanson Y. Hopkins, *Chairman*
Richard C. Daggett
Jerome Grossman, M.D.
Myle J. Holley III
Stephen H. Kauffman
Mary E. Macdonald, R.N.
Joseph P. McCue
Randall P. McDonnell
Gilbert J. Nessolini
Thomas W. Schultz
David M. Semple
Isabella Tighe

PLANNING BOARD

Burgess P. Standley, *Chairman*
W. Gerald Austen, M.D.
Kay W. Bander
David C. Crockett
Joseph C. Donnelly, Jr.
Carleton N. Goff
Jerome Grossman, M.D.
DeLanson Y. Hopkins
Alexander Leaf, M.D.
Charles A. Sanders, M.D.
James Vaccarino

RESOURCE ALLOCATION BOARD

Lawrence E. Martin, *Chairman*
Joseph T. Ferrucci, M.D.
DeLanson Y. Hopkins
Myron B. Laver, M.D.
Mary E. Macdonald, R.N.
Ronald A. Malt, M.D.
Edwin P. Maynard III, M.D.
Morton N. Swartz, M.D.
Isabella Tighe

Director Emerita
School of Nursing and Nursing Service
Ruth Sleeper, R.N.

DEPARTMENT OF NURSING

Director
Mary E. Macdonald, R.N.

Associate Director, Inpatient Services
Gellestrina T. DiMaggio, R.N.

Associate Director, Ambulatory Services
Ruth M. Farrisey, R.N.

Assistant Directors and Chairmen

Elizabeth M. Sheehy, R.N.
(*Phillips House*)
Agnes M. Rockett, R.N.
(*Operating Room*)
Adele L. Corkum, R.N.
(*Baker Memorial*)
Patricia A. Regan, R.N., Ed.D.
(*Neuromedical-surgical Units*)
Anne M. Sheetz, R.N.
(*Burnham*)
Frances A. Gardella, R.N.
(*Bulfinch*)
Mary E. Quinlan, R.N.
(*Vincent-White*)
Sister Kateri, R.N.
(*Intensive Care Units*)
Cheryl B. Stetler, R.N., Ph.D.
(*Staff Education*)

SCHOOL OF NURSING

Director
Natalie Petzold, R.N.

DIRECTORS OF DEPARTMENTS

Accounting
Harold L. Emrich
(Comptroller)

Admitting Services
Maryanne Spicer

Clinical Administration
John C.J. Cronin

Dietary (Department and Dietetic Internship)
Louise Hatch

Maintenance and Engineering
William J. Clemons

Materials Distribution
Michael J. Abruzzese

Medical Records
Joyce E. Gormley

Pharmacy
John W. Webb

Purchasing
Thomas W. Kelly

Security
Thomas F. Sullivan

Social Service
Eleanor Clark

UNIT DIRECTORS

Dispatch	Harvey L. Simons
Information, Baker Memorial	Marion Griffiths
Information, General Hospital	Robert Thomas
Manufacturing and Inventories	James Willis
Medical Art	Edith Tagrin
Orthopaedic Workshop	John Snowden
Print Shop and Copy Center	Ralph H. Cluff, Jr.
Receiving and Distribution	James Flanagan
Telecommunications	Evelyn Olschewski
Treadwell Library	Jacqueline Bastille
Transportation Services	Jason Savage
Volunteers	Mary Ruth Wolf

MEDICAL DIVISION

GENERAL MEDICINE

Chief of Medical Services
Alexander Leaf, M.D.

Honorary Physicians

F. Dennette Adams, M.D.
K. Frank Austen, M.D.
Theodore L. Badger, M.D.
Arlie V. Bock, M.D.
John W. Cass, M.D.
Richard J. Clark, M.D.
M. Henry Clifford, M.D.
Leonard W. Cronkhite, M.D.
Briant L. Decker, M.D.
Dana L. Farnsworth, M.D.
Greene S. FitzHugh, M.D.
Maurice Fremont-Smith, M.D.
John R. Graham, M.D.
Harriet L. Hardy, M.D.
John H. Knowles, M.D.
David Littmann, M.D.
Robert S. Palmer, M.D.
Helen S. Pittman, M.D.
Mitchell T. Rabkin, M.D.
John B. Stanbury, M.D.
James H. Townsend, M.D.
Arthur L. Watkins, M.D.
Louis Weinstein, M.D.

Senior Physicians

Myles P. Baker, M.D.
Edward F. Bland, M.D.
Earle M. Chapman, M.D.
Bernard J. Jacobson, M.D.
Alfred Kranes, M.D.
Jacob Lerman, M.D.
Marian W. Ropes, M.D.
Charles L. Short, M.D.

Physicians

George P. Baker, Jr., M.D.
William H. Baker, M.D.
Kurt J. Bloch, M.D.
Roman W. DeSanctis, M.D.
Daniel S. Ellis, M.D.
Anne P. Forbes, M.D.
Gerald S. Foster, M.D.
Allan L. Friedlich, M.D.
Edgar Haber, M.D.
Kurt J. Isselbacher, M.D.
Homayoun Kazemi, M.D.
Rita M. Kelley, M.D.
Stephen M. Krane, M.D.
Farahe Maloot, M.D.
Donald B. Martin, M.D.
Edwin P. Maynard III, M.D.
John A. Mills, M.D.
Gordon S. Myers, M.D.
John T. Potts, Jr., M.D.
Charles A. Sanders, M.D.
John D. Stoeckle, M.D.
Morton N. Swartz, M.D.
Arnold N. Weinberg, M.D.
Edwin O. Wheeler, M.D.
Conger Williams, M.D.
Paul C. Zamecnik, M.D.

Associate Physicians

Alan C. Aisenberg, M.D.
G. Octo Barnett, M.D.
William S. Beck, M.D.
Kenneth T. Bird, M.D.
Paul H. Black, M.D.
Robert W. Carey, M.D.
Cecil H. Coggins, M.D.
Perry J. Culver, M.D.
Leonard L. Ellman, M.D.
William Franklin, M.D.
Stephen E. Goldfinger, M.D.
J. Warren Harthorne, M.D.
Newton E. Hyslop, M.D.
Bernard Kliman, M.D.
Janet W. McArthur, M.D.
Robert C. Moellering, Jr., M.D.
Robert M. Neer, M.D.
Arthur S. Pier, Jr., M.D.
W. Warren Point, M.D.
Dwight R. Robinson, M.D.
Nina E. Rubin, M.D.
Walter T. St. Goar, M.D.
Guillermo C. Sanchez, M.D.
Allan I. Sandler, M.D.
Robert H. Schapiro, M.D.
W. Davies Sohier, Jr., M.D.

George A. Jacoby, M.D.
Sheldon D. Kaufman, M.D.
Roger H. Sweet, M.D.
Milton M. Weiser, M.D.
Peter M. Yurchak, M.D.

Assistant Physicians

M. Elliott Alpert, M.D.
Bernard Aserkoff, M.D.
Joseph Avruch, M.D.
Ann S. Baker, M.D.
Victor G. Balboni, M.D.
Peter C. Block, M.D.
John C. Dalton, M.D.
Gilbert H. Daniels, M.D.
James J. Dineen, M.D.
Richard W. Erbe, M.D.
Joseph W. Gardella, M.D.
Anne F. Godley, M.D.
Herman K. Gold, M.D.
Allan Goldblatt, M.D.
Jermoe H. Grossman, M.D.
Joel F. Habener, M.D.
Martin S. Hirsch, M.D.
Cyrus C. Hopkins, M.D.
Adolph M. Hutter, Jr., M.D.
John W. Irwin, M.D.
H. Walter Jones, Jr., M.D.
Adolph W. Karchmer, M.D.
John W. Keller, M.D.
Robert C. Leinbach, M.D.
Norman S. Lichtenstein, M.D.
William F. McNeely, M.D.
Lawrence M. Miller, M.D.
William J. Powell, Jr., M.D.
John T. Quinby, M.D.
Eli C. Ridgway, III, M.D.
Robert H. Rubin, M.D.
Gino V. Segre, M.D.
Harvey B. Simon, M.D.
John H. Sisson, M.D.
Thomas P. Stossel, M.D.
William E. Strole, M.D.
Charles H. Weingarten, M.D.
Martin J. Wohl, M.D.

Assistants in Medicine

Dennis A. Ausiello, M.D.
Lloyd Axelrod, M.D.
George L. Cohen, M.D.
James J. Currens, M.D.
Zareh N. Demirjian, M.D.
Allan H. Goroll, M.D.
David J. Greenblatt, M.D.
Peter L. Gross, M.D.
Timothy E. Guiney, M.D.
Charles A. Hales, M.D.
Robert A. Johnson, M.D.
David J. Kanarek, M.D.
Lewis W. Kane, M.D.
Robert S. Lees, M.D.
Barry W. Levine, M.D.
Steven R. Levisohn, M.D.
Richard Liberthson, M.D.
John L. Ohman, M.D.
Maurice M. Pechet, M.D.
Richard G. Pingree, M.D.
Edwin L. Prien, Jr., M.D.
Richard N. Re, M.D.
Michael A. Rie, M.D.
Eve E. Slater, M.D.
George E. Thibault, M.D.
Jack R. Wands, M.D.
Lee R. Witters, M.D.
Lawrence C. Wood, M.D.

Clinical Associates in Medicine

Caesar Briefer, Jr., M.D.
Elliot L. Cohen, M.D.
Gerald J. Doyle, M.D.
Richard A. Field, M.D.
Martin L. Gelman, M.D.
Stephen E. Havas, M.D.
Hamilton R. Hayes, M.D.
Edward P. Hoffer, M.D.
John Homans, Jr., M.D.
G. Timothy Johnson, M.D.
Charles S. Keevil, M.D.
Allan Kliman, M.D.
Robert S. Lawrence, M.D.
Robert K. Leet, M.D.
Manuel J. Lipson, M.D.
Joseph A. Martino, M.D.
James C. McFarland, M.D.
Gorton T. Moore, M.D.
Lanta C. Oliver, M.D.
Robert K. Osborne, M.D.
William N. Pachas, M.D.
Sholem Postel, M.D.
Edward S. Rendall, M.D.
Neil S. Shore, M.D.
Oscar E. Starobin, M.D.
Denise J. Strieder, M.D.
Isaac M. Taylor, M.D.
Richard J. Wurtman, M.D.

Clinical Assistants in Medicine

Doris E. Barber, M.D.
David J. Becker, M.D.
George A. Beller, M.D.
Richard E. Belsey, M.D.
Donnell W. Boardman, M.D.
Angelina C. Carvalho, M.D.
Jack E. Farnham, M.D.
Norberto S. Frega, M.D.
Maury A. Goldman, M.D.
Robert E. Kahn, M.D.
Ione A. Kourides, M.D.
Michael Lawrence, M.D.
Loren G. Lipson, M.D.
Jane E. Mahaffey, M.D.
Terrence A. O'Malley, M.D.
Edward T. Parsons, M.D.
Gerald M. Pohost, M.D.
Stanley J. Reiser, M.D.
Joel J. Rubenstein, M.D.
Daniel E. Souder, M.D.
Nancy L. Sprince, M.D.
Paul A. Vignola, M.D.

Physical Chemist

D. Michael Young, M.D.

Biologists

Jerome Gross, M.D.
Jesse F. Scott, M.D.

Visiting Associate Biologist

Mitzy L. Canessa, Ph.D.

Associate Biologists

Romaine R. Bruns, Ph.D.
Nancy L.R. Bucher, M.D.
Geoffrey W.G. Sharp, Ph.D.

Assistant Biologist

Donald R. DiBona, Ph.D.

Assistants in Biology

Maureen T. Gammon, M.D.
Thas F. Linsenmayer, Ph.D.
John W. Mills, Ph.D.
Gerald N. Smith, Jr., Ph.D.

Biochemist

Roger W. Jeanloz, Ph.D.

Visiting Biochemists

Carl F. Cori, M.D.
John H. Highberger, Ph.D.
Herman M. Kalckar, M.D., Ph.D.

Associate Biochemists

John F. Codington, Ph.D.
Mary L. Stephenson, Ph.D.

Assistant Biochemists

Chitra Biswas, Ph.D.
James A. Burton, Ph.D.
Hari G. Garg, Ph.D.
Annette A. Herscovics, Ph.D.
Eliezer Rapaport, Ph.D.
Joan C. Kaplan, Ph.D.
Mohammed Shaban, Ph.D.
Bryan P. Toole, Ph.D.
Christopher D. Warren, Ph.D.

Assistants in Biochemistry

Lovick E. Cannon, Ph.D.
Edward A. Carter, D.Sc.
Iih-Nan Chou, Ph.D.
Charles W. Christopher, Ph.D.
Mary B. Clark, Ph.D.
Betty A. Davidson, Ph.D.
Ban-An Khaw, Ph.D.
Nasir-ud-Din, Ph.D.
Joseph T. Neary, Ph.D.
Minoru Okayama, Ph.D.
Ruth S. Quinn, Ph.D.
Judith D. Saide, Ph.D.

Rebecca C. Garland, Ph.D.
Irwin H. Hirshfield, Ph.D.
Henry T. Keutmann, M.D.
David H. Schlesinger, Ph.D.
Dennis E. Schwartz, Ph.D.
Evelyne Walker-Nasir, Ph.D.

Assistant Computer Scientists
Barbara B. Farquhar, B.A.
James W. Poitras, B.S.

Assistants in Computer Science
Jack E. Bowie, Ph.D.
Norma S. Justice, B.A.
Rita D. Zielstorff, R.N.

Assistant in Bacteriology
Anne O. Summers, Ph.D.

Assistant in Microbiology
Tamara A. Rakusanova, Ph.D.

Consultants in Medicine
Clarence F. Dewey, Jr., Ph.D.
Lewis L. Engel, Ph.D.
Benjamin G. Ferris, M.D.
Duncan Neuhauser, Ph.D.
Hugh D. Niall, M.D.
Lot B. Page, M.D.
John A. Parsons, B.M., B.Ch.
Brian D. Ross, M.B., B.S.
Robert G. G. Russell, M.D.
D. Rao Sanadi, Ph.D.
Thomas W. Smith, M.D.

Consultants in Preventive Medicine
John E. Gordon, M.D.
David D. Rutstein, M.D.

Consultant in Occupational Medicine
George F. Wilkins, M.D.

Consultant Sociologists
John B. McKinlay, Ph.D.
Irving K. Zola, Ph.D.

Consultant in Telemedicine
Robert S. Green, B.A.

NEUROLOGY

Chief of Service
Raymond D. Adams, M.D.

Honorary Neurologists
G. Colket Caner, M.D.
Edwin M. Cole, M.D.
Charles S. Kubik, M.D.
Harry C. Solomon, M.D.

Senior Neurologist
Mandel E. Cohen, M.D.

Neurologists
C. Miller Fisher, M.D.
Vincent P. Perlo, M.D.
E.P. Richardson, Jr., M.D.

Associate Neurologists
G. Robert DeLong, M.D.
Edwin H. Kolodny, M.D.
David C. Poskanzer, M.D.
Peter B-B. Rosenberger, M.D.

James R. Lehrich, M.D.
Jay P. Mohr, M.D.
Ernest H. Picard, M.D.
Gerald F. Winkler, M.D.
Shirley H. Wray, M.D., Ch.B.
Robert R. Young, M.D.

Assistant Neurologists

Verne S. Caviness, M.D.
Elizabeth C. Dooling, M.D.
Robert E. Flynn, M.D.
H. Harris Funkenstein, M.D.
Thomas H. Glick, M.D.
K.S. Krishnamoorthy, M.D.
Ira T. Lott, M.D.
Eileen M. Ouellette, M.D.
Stephen W. Parker, M.D.
Bhagwan T. Shahani, M.B.B.S.
Vivian E. Shih, M.D.
Karel van Syckel Toll, M.D.
Alfred D. Weiss, M.D.
Edward R. Wolpow, M.D.
Bryan T. Woods, M.D.

Assistants in Neurology

Margaret L. Bauman, M.D.
Keith H. Chiappa, M.D.
Albert C. England, M.D.
T. Corwin Fleming, M.D.
J. Philip Kistler, M.D.
David N. Levine, M.D.
Harvey L. Levy, M.D.
Michael S. Pessin, M.D.

Clinical Associates in Neurology

Fred H. Hochberg, M.D.
William H. Timberlake, M.D.
Roger S. Williams, M.D.

Clinical Assistants in Neurology

Robert H. Ackerman, M.D.
Camille B. Draskoczy, M.D.
Robert A. Levine, M.D.
Robert M. Stewart, M.D.

Neurophysiologists

John S. Barlow, M.D.
Elwood Henneman, M.D.
Nelson Y-S Kiang, Ph.D.

Assistant in Neurophysiology

S. Allen Counter, Ph.D.

Honorary Neuropathologist

Paul I. Yakovlev, M.D.

Associate Neuropathologist

Karl Erik Astrom, M.D.

Assistant in Neuropathology

Edward A. Arees, Ph.D.

Biochemists

John Gergely, M.D.
Pierre J. Stoffyn, Ph.D.

Associate Biochemists

Robert H. McCluer, Ph.D.
Frank A. Sreter, Ph.D.

Assistant Biochemist

Anne M. Stoffyn, Ph.D.

Assistant in Biochemistry

Firoze B. Jungalwala, Ph.D.

Psychologists

Murray A. Sidman, Ph.D.
Paul E. Touchette, Ph.D.

Associate Psychologists

Harry A. Mackay, Ph.D.
Lawrence T. Stoddard, Ph.D.

Assistant Psychologist

Donald F. Anderson, Ph.D.

PSYCHIATRY

Chief of Service

Thomas P. Hackett, M.D.

Honorary Psychiatrist

John A. Abbott, M.D.
Herbert Barry, M.D.
Helen Deutsch, M.D.
Leon Eisenberg, M.D.
Paul M. Howard, M.D.
John Nemiah, M.D.
Benson R. Snyder, M.D.
Vernon P. Williams, M.D.

Psychiatrists

Ross J. Baldessarini, M.D.
Norman R. Bernstein, M.D.
Thomas F. Dwyer, M.D.
Gerald L. Klerman, M.D.
Aaron Lazare, M.D.
Chester M. Pierce, M.D.
Jerome Weinberger, M.D.
Avery D. Weisman, M.D.

Associate Psychiatrists

Dietrich P. Blumer, M.D.
Franklin Carter, M.D.
Raquel E. Cohen, M.D.
Pattison Esmiol, M.D.
Bruce Fischberg, M.D.
Benjamin F. Gill, M.D.
Frederick G. Guggenheim, M.D.
Howard T. Hermann, M.D.
Helen M. Herzan, M.D.
Richmond Holder, M.D.
Gary Jacobson, M.D.
Alfred J.R. Koumans, M.D.
Bernard Levy, M.D.
Maria Lorenz, M.D.
Michel R. Mandel, M.D.
Walter Mann, M.D.
Edward Messner, M.D.
Maxwell G. Potter, M.D.
John A. Renner, M.D.
Jack O. Rice, M.D.
Samuel Silverman, M.D.
Danuta Stachiewicz, M.D.

Lionelle D. Wells, M.D.

Assistant Psychiatrists

William A. Anderson, M.D.
Jerrold G. Bernstein, M.D.
Frances J. Bonner, M.D.
Jonathan F. Borus, M.D.
Edwin H. Cassem, M.D.
Matthew P. Dumont, M.D.
Philip H. Gates, M.D.
Alan M. Jacobson, M.D.
Brian S. Joseph, M.D.
Herbert Levine, M.D.
Edward A. Mason, M.D.
Milton Mazer, M.D.
George W. Rever, M.D.
Joseph E. Schwartz, M.D.

John C. Shershow, M.D.

Assistants in Psychiatry

Robert S. Abernethy, M.D.
Charles W. Carl, M.D.
Herbert S. Cline, M.D.
William McCourt, M.D.
Robert Mignone, M.D.
Ronald V. Norris, M.D.

Franklin C. Curren, M.D.
Robert W. Ferrell, Jr., M.D.
Alan J. Gelenberg, M.D.
Jeffrey M. Gilbert, M.D.
Sidney Green, M.D.
Robert H. Hicks, M.D.
Ronald O. Hurston, M.D.
Ira Lable, M.D.
Joseph Lipinski, M.D.
Patrick O'Brien, M.D.
Malcolm Rosenblatt, M.D.
Joel Rubinstein, M.D.
Lloyd I. Sederer, M.D.
David V. Sheehan, M.D.
William Shelton, M.D.
Owen S. Surman, M.D.
Calixto Valle, M.D.
Charles Welch, M.D.

Clinical Associate in Psychiatry

Henry D. Abraham, M.D.
Harold Abramowitz, M.D.
Max Day, M.D.
Joyce A. Easter, M.D.
Amir M. Farhadi, M.D.
Rochelle R. Friedman, M.D.
Melvyn L. Grossman, M.D.
Rowen M. Hochstedler, M.D.
Bellenden R. Hutcheson, M.D.
Neil R. Johnson, M.D.
Michael H. Malamud, M.D.
Martin Merowitz, M.D.
John F. Morrall, M.D.
Charles Mullin, M.D.
Michael Murphy, M.D.
Carlos Neu, M.D.
Kenneth Nobel, M.D.
Frank Paolitto, M.D.
Kenner Rawdon, M.D.
Laurence Salvesen, M.D.
Robert W. Schlauch, M.D.
Herbert A. Schreier, M.D.
Robert W. Shapiro, M.D.
Harold D. Stalvey, M.D.
Thomas Stewart, M.D.
Philip Sullivan, M.D.
Miriam Tasini, M.D.
Evelyn Waitzkin, M.D.
Leonard R. Weiner, M.D.
Lee H. Willer, M.D.

Clinical Assistants in Psychiatry

Arthur J. Barsky, III, M.D.
Joel E. Dimsdale, M.D.
James E. Groves, M.D.
Stuart M. Kameny, M.D.
Martin Keller, M.D.
Nicholas D. Kouretas, M.D.
Gerald Lazar, M.D.
Theo C. Manschreck, M.D.
Alexander Miller, M.D.
George B. Murray, M.D.
Rege Stewart, M.D.
Abby L. Wasserman, M.D.
Barry Zitin, M.D.

Psychologists

Richard R. Peebles, Ph.D.
Gene M. Smith, Ph.D.

Associate Psychologists

Sherry B. Autor, Ph.D.
Sherman Eisenthal, Ph.D.
Warren E. Foote, Ph.D.
Clara Mayo, Ph.D.
Alvin Simmons, Ph.D.
J. William Worden Ph.D.

Associate Psychologists

Edward Blacker, Ph.D.
Gerald L. Borofsky, Ph.D.
Barbara J. Burns, Ph.D.
David S. Chedekel, Ph.D.
James L. Fozard, Ph.D.
Eleanor Z. Hanna, Ph.D.
James J. Muller, Ph.D.
Norman A. Neiberg, Ph.D.

Assistants in Psychology

Ward J. Cromer, Ph.D.
Joel Friedman, Ph.D.
William E. Minichiello, Ed.D.
Marguerite E. Murray, Ph.D.
Joseph P. Paretti, Ph.D.
Linda Wasserman, Ph.D.

Clinical Associate in Psychology

Robert M. Jampel, Ph.D.
Leonard W. Poon, Ph.D.

Clinical Assistant in Psychology
Anne W. Alonso, M.Ed.
J. Scott Rutan, Ph.D.
Bennett S. Slotnick, Ph.D.

Assistant Sociologist
Mark G. Field, Ph.D.

Assistant in Sociology
Miriam R. Sonn, Ph.D.

Assistant Anthropologist
Sherwin J. Feinhandler, Ph.D.

Psychobiologist
Seymour S. Kety, M.D.

Assistant Psychobiologist
Steven W. Matthysee, Ph.D.

Assistant in Psychobiology
Kenneth G. Walton, Ph.D.
James P. Noon, Ph.D.

Assistant in Neurochemistry (Psychiatry)
Charles A. Marotta, M.D.

Assistant in Mathematics
Stephen Lorch, B.S.
John D. Rimmer, Ph.D.

Consultants in Psychiatry
Wilfred Bloomberg, M.D.
Gerald Caplan, M.D.
Lucille P. Carter, M.D.
John G. Clark, M.D.
Robert Cserr, M.D.
Gerald E. Davidson, M.D.
Carola Eisenberg, M.D.
Freddy Frankel, M.D.
Peter B. Hagopian, M.D.
Michael Nelson, M.D.
Arthur N. Papas, M.D.
Daniel P. Schwartz, M.D.
Peter E. Sifneos, M.D.
Earl Solomon, M.D.
Alfred M. Stanton, M.D.
Alan A. Stone, M.D.

Consultant in Forensic Psychiatry
Neil Chayet, LL.B.

CHILDREN'S SERVICE
(BURNHAM DIVISION FOR CHILDREN)

Chief of Service
Nathan B. Talbot, M.D.

Honorary Pediatricians
Allan M. Butler, M.D.
John A.V. Davies, M.D.

Senior Pediatricians
Leo B. Burgin, M.D.
Robert N. Ganz, M.D.
Ralph A. Ross, M.D.

Pediatricians
John D. Crawford, M.D.
Allan Goldblatt, M.D.
Andrew D. Guthrie, Jr., M.D.
M. Edward Keenan, M.D.
Thomas C. Peebles, M.D.
Philip J. Porter, M.D.
John C. Robinson, M.D.
Daniel C. Shannon, M.D.
John T. Truman, M.D.

Associate Pediatricians
Ronald R. Benz, M.D.
Hans H. Bode, M.D.
William D. Cochran, M.D.
G. Robert DeLong, M.D.
Edward C. Dyer, M.D.
Leroy L. Eldredge, M.D.
Richard W. Erbe, M.D.
Lawrence J. Essember, M.D.
John T. Herrin, M.B.B.S.
Lewis B. Holmes, M.D.
Jerome O. Klein, M.D.
Rudolph L. Leibel, M.D.
John S. Robey, M.D.
Peter B-B. Rosenberger, M.D.
Robert T. Sceery, M.D.
Rudolf Toch, M.D.
I. David Todres, M.B., Ch.B.
William A. Walker, M.D.

Assistant Pediatricians
Alia Y. Antoon, M.B., Ch.B.
Inese Z. Beitins, M.D.
Catherine H. Beyer, M.D.
Patsy B. Cipolloni, M.D.
Carla B. Cohen, M.D.
Nathan H. Fearer, M.D.
Arnold D. Fiascone, M.D.
Herbert A. Haessler, M.D.
Gerald W. Hazard, M.D.
John B. Joseph, M.D.
Daniel E. Keim, M.D.
Josephine G. Kety, M.D.
K.S. Krishnamoorthy, M.D.
Allen Lapey, M.D.
Yhu-Hsiung Lee, M.D.
Richard Liberthson, M.D.
Ira T. Lott, M.D.
Aubrey Milunsky, M.B., B.Ch.
Fergus M.B. Moylan, M.B., B.Ch.
Stephen L. Reynolds, M.D.
Jordan S. Ruboy, M.D.
William R. VanArsdell, M.D.

Assistants in Pediatrics
Joan W. Barkin, M.D.
Margaret L. Bauman, M.D.
Herbert Boerstling, M.D.
John P. Cloherty, M.D.
Saul H. Cohen, M.D.
George A. Glines, M.D.
Michael L. Goldfein, M.D.
Daniel G. Heller, M.D.
Dorothy H. Kelly, M.D.
Melvyn B. Levine, M.D.
Herbert O. Mathewson, M.D.
Richard K. Mathis, M.D.
Leonard H. Plotkin, M.D.
Sara J. Richards, M.D.
Bruce M. Rosenberg, M.D.
Murray K. Rosenthal, M.D.
Mary D. Scott, M.D.
Eugene R. Tompkins, M.D.
David Walton, M.D.
Chi S. Wang, M.D.
Robert G. Zwerdling, M.D.

Clinical Associates in Pediatrics

William J. Adelson, M.D.
Elroy E. Anderson, M.D.
Donald J. Annino, M.D.
Doris R. Bennett, M.D.
Frederick B. Berrien, M.D.
T. Berry Brazelton, M.D.
Helen C. Cannon, M.D.
James J.A. Cavanaugh, M.D.
John M. Cohen, M.D.
William A. Dickson, M.D.
Robert A. Driscoll, M.D.
John A. Duggan, M.D.
Michael F. Epstein, M.D.
Geraldine G. Feldman, M.D.
Joseph Fowler, M.D.
Thomas Frank, M.D.
Theodore S. Golden, M.D.
Thomas M. Hanlon, M.D.
Gerald Hass, M.B.B.S.
Mary C. Howell, M.D., Ph.D.
Robert M. Kline, M.D.
Gretchen Kronenberg, M.D.
Martin E. Leber, M.D.
Sherwood B. Lee, M.D.
Katherine A. Leland, M.D.
Alexander S. MacDonald, M.D.
David Maltz, M.D.
Geraldine H. McCormack, M.D.
Edward F. McGrath, M.D.
Janice E. Milligan, M.D.
James A. O'Shea, M.D.
David C. Osler, M.D.
Susan P. Pauker, M.D.
Veronica S. Peterson, M.D.
William Pfeffer, Jr., M.D.
Walter Pick, M.D.
Edward F. Rabe, M.D.
Daniel R. Rectanus, M.D.
Robert H. Richie, Jr., M.D.
Michael J. Robinson, M.D.
Heike Rolle-Daya, M.B.B.Ch.
Benjamin Sachs, M.D.
Edward C. Saef, M.D.
Albert L. Sheffer, M.D.
David R. Sigelman, M.D.
Myron Siner, M.D.
Wilhelmina VanDyke, M.D.
Thomas J. Whitfield, M.D.
Robert F. Wilson, M.D.
Eleanore C. Zaudy, M.D.
Pamela A. Zuckerman, M.D.

Clinical Assistant

Elizabeth W. Ridgway, M.D.

Assistant Biochemist

June R. Aprille, Ph.D.

Assistant Geneticist

Lee B. Jacoby, Ph.D.

Assistant in Genetics

Robert M. Hoffman, Ph.D.

Associates from Other Services and Departments

Anesthesia:	Richard J. Kitz, M.D.
	John Ryan, M.D.
	Letty Liu, M.D.
	Nishan Goudsouzian, M.D.
	Stanislaw Szyfelbein, M.D.
Cardiac Surgery:	Mortimer J. Buckley, M.D.
	Terrence McEnany, M.D.
	Willard Daggett, M.D.
Dermatology:	Thomas B. Fitzpatrick, M.D.
	Richard Masters, M.D.

Gynecologic Medicine:	Janet McArthur, M.D.
Gynecologic Surgery:	James H. Nelson, Jr., M.D. John Grover, M.D. Ann Barnes, M.D.
Infectious Disease:	Morton N. Swartz, M.D.
Neurology:	Raymond Adams, M.D. Eileen M. Ouellette, M.D.
Neurosurgery:	William H. Sweet, M.D. Paul Chapman, M.D.
Organ Transplantation:	Paul S. Russell, M.D. Ronald Malt, M.D. Benedict Cosimi, M.D.
Orthopedic Surgery:	Michael Ehrlich, M.D. Richard Smith, M.D.
Pathology:	Ann Dvorak, M.D. Richard VanPraagh, M.D. David Gang, M.D.
Pediatric General Surgery:	W. Hardy Hendren, M.D. Samuel H. Kim, M.D. Patricia K. Donohoe, M.D. Terrence W. Hensle, M.D.
Plastic Surgery:	John Remensnyder, M.D. John Constable, M.D.
Psychiatry:	Norman Bernstein, M.D. Harold Abramowitz, M.D. Richmond Holder, M.D. Bellendon Hutcheson, M.D. Stuart Kameny, M.D. Herbert Klein, M.D. Richard Peebles, M.D. Jack Rice, M.D.
Radiology:	Spencer Borden, M.D.
Urologic Surgery:	George R. Prout, Jr., M.D. W. Hardy Hendren, M.D. Samuel H. Kim, M.D. Terrence W. Hensle, M.D.

Consultants in Pediatrics

William Berenberg, M.D.
Alexander S. Nadas, M.D.
Boris Senior, M.D.

Consultant in Psychology

Jerome Kagan, Ph.D.

Consultant in Chemical Engineering

Edward W. Merrill, D.Sc.

SURGICAL DIVISION

GENERAL SURGERY

Chief of the Surgical Services
W. Gerald Austen, M.D.

Senior Surgeons

Marshall K. Bartlett, M.D.
Bradford Cannon, M.D.
Oliver Cope, M.D.
Gordon A. Donaldson, M.D.
Robert R. Linton, M.D.
Claude E. Welch, M.D.

Visiting Surgeons

Mortimer J. Buckley, M.D.
John F. Burke, M.D.
John D. Constable, M.D.
R. Clement Darling, Jr., M.D.
Thomas H. Green, Jr., M.D.
Hermes C. Grillo, M.D.
W. Hardy Hendren, M.D.
Francis M. Ingersoll, M.D.
Ronald A. Malt, M.D.
George L. Nardi, M.D.
John W. Raker, M.D.
John P. Remensnyder, M.D.
George S. Richardson, M.D.
Grant V. Rodkey, M.D.
Paul S. Russell, M.D.
J. Gordon Scannell, M.D.
Chiu-An Wang, M.D.
Frank C. Wheelock, M.D.
Earle W. Wilkins, Jr., M.D.

Associate Visiting Surgeons

Glenn E. Behringer, M.D.
Edwin L. Carter, M.D.
Willard M. Daggett, M.D.
Josef E. Fischer, M.D.
John M. Head, M.D.
Stephen E. Hedberg, M.D.
Charles E. Huggins, M.D.
Ashby C. Moncure, M.D.
Leslie W. Ottinger, M.D.
William C. Quinby, Jr., M.D.
William P. Rogers, Jr., M.D.

Assistant Surgeons

William M. Abbott, M.D.
A. Benedict Cosimi, M.D.
Patricia K. Donahoe, M.D.
A. John Erdmann, III, M.D.
Samuel H. Kim, M.D.
Michael B. Lewis, M.D.
Michael N. Margolies, M.D.
M. Terry McEnany, M.D.
Andrew L. Warshaw, M.D.
LeRoy S. Wirthlin, M.D.

Assistants in Surgery

Conrado C. Bondoc, M.D.
Alfred M. Cohen, M.D.
Frederick H. Levine, M.D.
James W. May, Jr., M.D.
John A. Ryan, Jr., M.D.
William L. Smead, M.D.
William C. Wood, M.D.

Clinical Associates in Surgery

Frederick W. Ackroyd, M.D.
Nile L. Albright, M.D.
Richard C. Austin, M.D.
Joseph R. Barrie, M.D.
David C. Brewster, M.D.
Charles B. Burbank, M.D.
Charles T. Claydon, M.D.
Richard R. Curtin, M.D.
James M. Doonan, M.D.
George F. Emerson, M.D.
Joel J. Feldman, M.D.
Clement A. Hiebert, M.D.
Joseph A. Homes, M.D.
Dexter W. Lawson, M.D.
Randolph D. Maloney, M.D.
John B. McKittrick, M.D.
Charles G. Mixter, Jr., M.D.
Charles G. Mixter, III, M.D.
Anthony S. Patton, M.D.
Donald Perlman, M.D.
S. Peter Sarris, M.D.
James M. Shannon, M.D.

Edward L. Ferguson, M.D.
Frank W. Garran, Jr., M.D.
Irad B. Hardy, M.D.
Robert E. Sloane, M.D.
Richard H. Thompson, M.D.
Ronald M. Weintraub, M.D.
Masao Yatsuhashi, M.D.

Clinical Assistants in Surgery
Martin J. Bellinger, M.D.
Amin M. Ebeid, M.D.
William J. Porell, M.D.

Associate Biologist
Daniel F. Malamud, Ph.D.

Immunologist
Henry J. Winn, Ph.D.

Assistants in Immunology
Thomas C. Fuller, Ph.D.
Janet M. Plate, Ph.D.
Donald M. Silver, Ph.D.

Associate Biochemists
Ajit Kumar, Ph.D.
David A. Swann, Ph.D.

Assistant Biochemists
David Irwin, Ph.D.
Andre J. Ouellette, Ph.D.

Assistant in Biochemistry
J. Howard James, B.S.

Associate Biophysicist
Jeffrey K. Raines, Ph.D.

Assistant Physiologist
Dennis D. O'Keefe, M.D.

Assistant in Physiology
Robert R. Wolfe, Ph.D.

Consultant in Physiology
Thomas F. O'Donnell, M.D.

Consultants in Surgery
Franklin G. Balch, M.D.
Benjamin Barnes, M.D.
Ernest M. Daland, M.D.
Ward I Gregg, M.D.
Samuel B. Kirkwood, M.D.
Roy E. Mabrey, M.D.
George A. Marks, M.D.
William V. McDermott, Jr., M.D.
Leland S. McKittrick, M.D.
Francis D. Moore, M.D.
John L. Newell, M.D.
Langdon Parsons, M.D.
John Rock, M.D.
Horatio Rogers, M.D.
Edwin W. Salzman, M.D.
Fiorindo A. Simeone, M.D.
Reginald H. Smithwick, M.D.
Lamar Soutter, M.D.
George S. Speare, M.D.
John W. Spellman, M.D.
Augustus Thorndike, M.D.
Richard Warren, M.D.

Consultant in Plastic Surgery
Joseph E. Murray, M.D.

GYNECOLOGY

Chief of Service
James H. Nelson, Jr., M.D.

Consulting Visiting Gynecologist
Howard Ulfelder, M.D.

Gynecologists
Thomas H. Green, Jr., M.D.
Francis M. Ingersoll, M.D.
Janet W. McArthur, M.D.
George S. Richardson, M.D.

Associate Gynecologist
John W. Grover, M.D.

Assistant Gynecologists
Ann B. Barnes, M.D.
Inese Z. Beitins, M.D.
Thomas S. Durant, M.D.

Assistants in Gynecology
David S. Chapin, M.D.
Najmosama Nikrui, M.D.
Olive M. Soriero, M.D.

Clinical Associate in Gynecology
Barlett H. Stone, M.D.

Clinical Assistants in Gynecology
Francis H. Boudreau, M.D.
Jaleh Bashir Farahmand, M.D.

Consultants in Gynecology
Ward I. Gregg, M.D.
John Newell, M.D.
Langdon Parsons, M.D.
John Rock, M.D.
Judson Smith, M.D.
Benjamin Tenney, M.D.

NEUROSURGERY

Chief of Service
William H. Sweet, M.D., D.Sc.

Honorary Neurosurgeons
John S. Hodgson, M.D.
James C. White, M.D.

Senior Neurosurgeons
Hannibal Hamlin, M.D.
Jost J. Michelsen, M.D.

Visiting Neurosurgeons
H. Thomas Ballantine, Jr., M.D.
Raymond N. Kjellberg, M.D.
Robert G. Ojemann, M.D.

Assistant Visiting Neurosurgeons
Edward P. Baker, Jr., M.D.
Robert M. Crowell, M.D.
Paul L. Kornblith, M.D.
Charles E. Poletti, M.D.
James G. Wepsic, M.D.

Assistants in Neurosurgery
Paul H. Chapman, M.D. Roberto C. Heros, M.D.
Edward C. Tarlov, M.D.

Clinical Associates in Neurosurgery
Herbert L. Cares, M.D. Vernon H. Mark, M.D.
Nicholas T. Zervas, M.D.

Neurophysiologist in Neurosurgery
Adelbert Ames, III, M.D.

Associate Neurophysiologists in Neurosurgery
Richard H. Masland, Ph.D. Daniel A. Pollen, M.D.

Assistant in Neurophysiology in Neurosurgery
Edwin G. Fischer, M.D.

Assistant in Chemistry in Neurosurgery
Glyn R. Wellum, Ph.D.

Assistant Immunochemist in Neurosurgery
F. Curtis Dohan, Jr., M.D.

Assistant in Neuropathology in Neurosurgery
Jonathan Shay, M.D., Ph.D.

Assistant in Immunology in Neurosurgery
Linda P. Merk, Ph.D.

Consultant in Chemistry
Albert H. Soloway, Ph.D.

Consultant in Psychology
Suzanne H. Corkin, Ph.D.

ORTHOPAEDIC SURGERY

Chief of Service
Henry J. Mankin, M.D.

Honorary Orthopaedic Surgeons
Otto E. Aufranc, M.D. J. Drennan Lowell, M.D.
Melvin Glimcher, M.D. Paul Norton, M.D.
Carroll B. Larson, M.D. Clement B. Sledge, M.D.

Senior Orthopaedic Surgeons
Carter R. Rowe, M.D.

Visiting Orthopaedic Surgeons
Thornton Brown, M.D. William H. Harris, M.D.
Crawford J. Campbell, M.D. Robert D. Leffert, M.D.
Richard J. Smith, M.D.

Associate Orthopaedic Surgeons

William N. Jones, M.D.
William R. MacAusland, M.D.
Donald S. Pierce, M.D.
John A. Reidy, M.D.

Assistant Orthopaedic Surgeons

Joseph S. Barr, Jr., M.D.
Robert J. Boyd, M.D.
Hugh P. Chandler, M.D.
Michael G. Ehrlich, M.D.
James I. Huddleston, M.D.
William L. Kermond, M.D.
Charles Weiss, M.D.
Edwin T. Wyman, Jr., M.D.

Assistants in Orthopaedics

Robert B. Brendze, M.D.
Arnold S. Broudy, M.D.
Stanley L. Grabias, M.D.
Dineshkumar Patel, M.B., B.S.
Clayton A. Peimer, M.D.
David P. Simmons, M.D.
William W. Tomford, M.D.
Bertram Zarins, M.D.

Clinical Associates in Orthopaedic Surgery

Thomas Broderick, M.D.
John H. Chaglassian, M.D.
Subramanyan Jayasankar, M.D.
Philip I. Salib, M.D.
Robert S. Steinberg, M.D.
Ralph C. Sweetland, M.D.
Elliot L. Thrasher, M.D.

Assistant in Biochemistry

Louis Lippiello, Ph.D.

Chief Podiatrist

John D. McLean, D.S.C.

Podiatrists

Louis C. LaBella, D.S.C.
Mark E. Lessing, D.P.M.
Jordan J. Winer, D.S.C.

Assistant Podiatrists

Edward R. Bloom, D.P.M.
Donald D. Donovan, D.S.C.
Homer J. Squires, D.S.C.

Clinical Assistant to the Orthopaedic Outpatient Department

James S. Hewson, M.D.

Consultants in Engineering Service

Robert W. Mann, Sc.D.
Igor L. Paul, Sc.D.

UROLOGY

Chief of Service

George R. Prout, Jr., M.D.

Honorary Urologists

Richard Chute, M.D.
Sylvester B. Kelley, M.D.

Urologist

Walter S. Kerr, Jr., M.D.

Assistant Urologists

Edward C. Parkhurst, M.D.
Lorande Woodruff, M.D.

Assistants in Urology

Alex F. Althausen, M.D.
John S.F. Daly, M.D.
Stephen P. Dretler, M.D.
Niall M. Heney, M.D.
Terry W. Hensle, M.D.
William L. Strickler, M.D.
Hugh H. Young II, M.D.

Clinical Associate

Vernon M. Pais, M.D.

Assistant Immunologist

Eugene P. Ornellas, Ph.D.

DEPARTMENT OF ORAL SURGERY

Chief of Service

Walter Guralnick, D.M.D.

Visiting Oral Surgeons

Morton J. Olin, D.M.D.
Earle H. Rosenberg, D.M.D.
J. Henry Stempien, D.M.D.

Associate Visiting Oral Surgeons

R. Bruce Donoff, D.M.D., M.D.
Peter G. Kimball, D.M.D.
Robert C. Lincoln, D.M.D.

Assistant Oral Surgeons

Robert E. Evans, D.M.D.
Edward B. Seldin, D.M.D., M.D.

Clinical Associates in Oral Surgery

Barry J. Agranat, D.M.D.
Myron Allukian, Jr., D.D.S.
Robert M. Gracia, D.M.D., M.D.
Daniel J. Holland, Jr., D.M.D.
Henry D. Howe, D.M.D.
Leonard B. Kaban, D.M.D., M.D.
John P.W. Kelly, D.M.D., M.D.
Richard Miner, D.D.S.
Zigmunt Pozatek, D.M.D.
Donald B. Rae, D.D.S.
Leonard B. Shulman, D.M.D.
Edward L. Sleeper, D.D.S.
William H. Tingey, Jr., D.M.D.

Clinical Assistants in Oral Surgery

Gary S. Goldstein, D.M.D.
Roy D. Rinkle, D.D.S.
Richard J. Spence, D.M.D.

Consultant in Oral Pathology

Gerald Shklar, D.D.S.

DEPARTMENTS

PATHOLOGY

Chief of Department
Robert T. McCluskey, M.D.

Honorary Pathologist
Benjamin Castleman, M.D.

Pathologists
Robert E. Scully, M.D.
Edgar B. Taft, M.D.
Austin L. Vickery, Jr., M.D.

Associate Pathologists
Leonard Atkins, M.D.
G. Richard Dickersin, M.D.
Ann M. Dvorak, M.D.
Harold F. Dvorak, M.D.
James J. Galdabini, M.D.
Max Goodman, M.D.
Kilmer S. McCully, M.D.
Martin C. Mihm, Jr., M.D.
Stanley J. Robboy, M.D.
Priscilla Dienes Taft, M.D.

Assistant Pathologists
James J. Daly, M.D.
Avis J. Lingeman, M.D.
Eugene J. Mark, M.D.
Alan L. Schiller, M.D.
Robert L. Trelstad, M.D.

Assistants in Pathology
Atul K. Bhan, M.D.
Robert B. Colvin, M.D.
Mary E. Hammond, M.D.
David L. Gang, M.D.
John C. Long, M.D.
Jaime Prat, M.D.
Karl H. Proppe, M.D.
Wanda M. Szyfelbein, M.D.
William R. Welch, M.D.

Clinical Associates in Pathology
Robert Fienberg, M.D.
Joel Umlas, M.D.

Clinical Assistants in Pathology
Sheldon Cooperman, M.D.
Charles G. Huizenga, M.D.

Neuropathologists
Raymond D. Adams, M.D.
Edward P. Richardson, M.D.

Associate Neuropathologists
Karl Eric Astrom, M.D.
C. Miller Fisher, M.D.

Assistant Biochemists
H. Paul Ehrlich, Ph.D.
Neil S. Orenstein, Ph.D.

Consultants in Pathology
Richard B. Cohen, M.D.
Morris J. Karnovsky, M.B., B.Ch.
Walter G.J. Putschar, M.D.
Richard Van Praagh, M.D.

ANESTHESIA

Chief of Department
Richard J. Kitz, M.D.

Honorary Anesthetist
John Hedley-Whyte, M.D.

Anesthetists

George E. Battit, M.D.
Aaron J. Gissen, M.D.
Phillips Hallowell, M.D.
Myron B. Laver, M.D.
Edward Lowenstein, M.D.
Bucknam McPeek, M.D.
Elliott V. Miller, M.D.
Henning Pontoppidan, M.D.
John F. Ryan, M.D.
Donald P. Todd, M.D.

Associate Anesthetists

John H. L. Bland, M.B., B. Chir.
John M.R. Bruner, M.D.
David J. Cullen, M.D.
Brian C. Dalton, L.R.C.P.I.
Alix Mathieu, M.D.
Roger H. Morris, M.D.
Daniel M. Philbin, M.D.
John J. Savarese, M.D.
Stanislaw K. Szyfelbein, M.D.
I. David Todres, M.B., Ch.B.
Sarita G. Walzer, M.D.
Roger S. Wilson, M.D.

Assistant Anesthetists

Hassan H. Ali, M.B., B.Ch.
Lambertus J. Drop, M.D.
Nabil R. Fahmy, M.B., B.Ch.
Nishan G. Goudsouzian, M.B., B.Ch.
Miroslawa T. Jasinska, M.D.
Laurence J. Krenis, M.D.
Demetrios G. Lappas, M.D.
William B. Latta, M.D.
Annetta L. Murphy, M.D.
Daniel L. Nozik, D.D.S.
Mary K. Patterson, M.D.
Michael A. Rie, M.D.
James T. Roberts, M.D.
Pennathur Sundaram, M.B.B.S.
Warren M. Zapol, M.D.

Assistants in Anesthesia

Clifton W. Emerson, M.D.
Letty Liu, M.D.
Philip Liu, M.D.
Michael C. Long, M.D.
Joseph A. Jeevendra Martyn, M.B.B.S.
Janine T. Rodrigues, M.B.B.S.
Robert C. Schneider, M.D.
Michael T. Snider, M.D., Ph.D.

Clinical Associates in Anesthesia

Rafik Rizk Attia, M.B., B.Ch.
Franco R. Dinale, M.D.
Bennie Geffin, M.B., B.Ch.,
Bernard R. Hand, M.D.
Robert F. Littlehale, M.D.
Ward R. Maier, M.D.
Neville Rosen, B.M., H.Ch.
Adrian Selwyn, M.D.
Peter R. Silverstein, M.D.
Laurence A. Simons, M.B.B.S.
Eliot M. Slater, M.D.
Howard A. Trachtenberg, M.D.

Psychologist
Gene M. Smith, Ph.D.

Associate Biomedical Engineer
Ronald S. Newbower, Ph.D.

Assistant Biomedical Engineer
Jeffrey B. Cooper, Ph.D.

Associate Pharmacologist
Keith W. Miller, D. Phil.

Assistant Biochemist
Janet C. Miller, D. Phil.

Assistant in Chemical Engineering
Clark K. Colton, Ph.D.

Assistant in Biostatistics
John P. Gilbert, Ph.D.

Consultant in Zoology
Peter W. Hochachka, Ph.D.

BACTERIOLOGY

Bacteriologist
Lawrence J. Kunz, Ph.D.

Assistant Bacteriologist
Theodore F. Medrek, Ph.D.

Assistant in Bacteriology
Mary Jane F. Benfari, Ph.D.

Consultant in Bacteriology
Robert C. Moellering, Jr., M.D.

CLINICAL CHEMISTRY LABORATORIES

Chief
Sidney V. Rieder, Ph.D.

CLINICAL LABORATORIES

Director
William S. Beck, M.D.

DEPARTMENT OF RADIATION MEDICINE

Chief of Department
Herman D. Suit, M.D.

Consulting Visiting Radiation Therapist
Milford D. Schulz, M.D.

Radiation Therapist
Chiu-chen Wang, M.D.

Assistant Radiation Therapists
Chan H. Choi, M.D.
Ann Maria Chu, M.D.
Leonard L. Gunderson, M.D.
William U. Shipley, M.D.

Assistant in Radiation Medicine
Vincent S-T Cheng, M.D.

Radiation Biophysicist
Edward R. Epp, Ph.D.

Associate Radiation Biophysicists
Arthur L. Boyer, Ph.D.
Michael Goitein, Ph.D.

Assistant Radiation Biophysicists
Peter J. Biggs, Ph.D.
Carl E. Friedberg, Ph.D.
Ching Clifton Ling, Ph.D.
Lynn J. Verhey, Ph.D.

Assistants in Radiation Biophysics
Karen P. Doppke, M.S.
Miriam M. Gitterman, M.S.

Assistant Immunologist
Richard W. Smith, M.D.

Assistant in Biology
Robert S. Sedlacek, M.S.

Consultant in Radiation Medicine
Lester Kalisher, M.D.

Consultant in Radiation Medicine (Oral Surgery)
Edward B. Seldin, D.M.D., M.D.

Consultant Biologist
Luka Milas, Ph.D., M.D.

Consultant in Epidemiology
Keneth J. Rothman, Dr. P.H.

DEPARTMENT OF REHABILITATION MEDICINE

Chief
Robert D. Leffert, M.D.

BLOOD TRANSFUSION SERVICE

Director
Charles E. Huggins, M.D.

Assistant Directors
Thomas C. Fuller, Ph.D.
Harold E. Warford, M.T. (ASCP)

Clinical Consultants
John P. Remensnyder, M.D.
John T. Truman, M.D.

RADIOLOGY

Chief of Radiology
Juan M. Taveras, M.D.

Radiologists
Robert E. Dinsmore, M.D.
Jack R. Dreyfuss, M.D.
Joseph T. Ferrucci, Jr., M.D.
Marjorie J. LeMay, M.D.
Paul F. J. New, M.D.
Richard C. Pfister, M.D.
Majic S. Potsaid, M.D.
Laurence L. Robbins, M.D.
Alfred L. Weber, M.D.
Stanley M. Wyman, M.D.

Associate Radiologists
Christos A. Athanasoulis, M.D.
Roger A. Bauman, M.D.
Reginald E. Greene, M.D.
Gerald M. Kolodny, M.D.
Henry J. Llewellyn, M.D.
Kenneth A. McKusick, M.D.
K. Jack Momose, M.D.
Glenn H. Roberson, M.D.
Harry W. Strauss, M.D.
Jack Wittenberg, M.D.

Assistant Radiologists
Robert H. Ackerman, M.D.
Spencer Borden IV, M.D.
Kenneth R. Davis, M.D.
Farooq Jaffer, M.D.
Lester Kalisher, M.D.
Rob H. Kirkpatrick, M.D.
Theresa C. McLoud, M.D.
Stephen W. Miller, M.D.
Jeffrey H. Newhouse, M.D.
Robert A. Novelline, M.D.
Arthur C. Waltman, M.D.
Isabel C. Yoder, M.D.

Assistants in Radiology
Edward B. Black, M.D.
Barbara S. Braitman, M.D.
Alan J. Greenfield, M.D.
William T. Murray, M.D.
Arthur H. Newburg, M.D.
James T. Rhea, M.D.
Paul Stark, M.D.
Richard E. Tobin, M.D.
Lee R. Wales, M.D.

Clinical Associates in Radiology
Daniel I. Becker, M.D.
Karl T. Benedict, M.D.
W. Robert Courey, M.D.
Salvatore A. DeLuca, M.D.
Gail R. Eliot, M.D.
Joseph Hanelin, M.D.
Murray L. Janower, M.D.
Richard E. Land, M.D.
D. Glyn Millard, M.D.
Richard G. O'Brien
William J. Otto, M.D.
Arthur K. Patterson, M.D.
James A. Peterson, M.D.
James J. Pollard, M.D.
John T. Pollard, Jr., M.D.
Stuart H. Shapiro, M.D.
Thomas E. Shea, M.D.
Vincent R. Sites, M.D.

Abbott R. Miller, M.D.
H. Peter Mueller, M.D.
Robert A. Nebesar, M.D.
Hartley S. Neel, M.D.
Philip E. Steeves, M.D.
Edward R. Sun, M.D.
Milton A. Weiner, M.D.
Robert C. Williams, M.D.

Physicists

Gordon L. Brownell, Ph.D.
Edward W. Webster, Ph.D.

Associate Physicists

Saul Aronow, Ph.D.
Charles A. Burnham, M.D.

Assistant Physicists

Nathaniel M. Alpert, Ph.D.
Frank P. Castronovo, Jr.D.

Assistants in Physics

Bhagwat D. Ahluwalia, Ph.D.
John A. Correia, Ph.D.
Linda A. Deveau, M.A.S.
David R. Elmaleh, Ph.D.
Brian W. Murray, Ph.D.

Engineer

Malcolm N. MacKay

Associate Chemist

Donald J. Hnatowich, Ph.D.

Consultants in Radiology

John B. Little, M.D.
Edward B.D. Neuhauser, M.D.
Richard Schatzki, M.D.
Lucy F. Squire, M.D.

Consultants in Nuclear Medicine

William H. Harris, M.D.
Gerald M. Pohost, M.D.

Consultants in Dental Roentgenology

Walter C. Guralnick, D.M.D.
R. Bruce Donoff, D.M.D., M.D.

HOUSE STAFF

Residents and Interns
as of January 1, 1977

MEDICINE

Chief Resident
Gary K. Schoolnik, M.D.

Third Year Residents

Edward W. Campion, M.D.
Marc R. Hammerman, M.D.
Joan Harvey, M.D.
Michael R. Jennings, M.D.
Lawrence A. May, M.D.
Roger A. May, M.D.
Edward J. Morgan, M.D.
Duane D. Stephens, M.D.
Gary M. Strauss, M.D.
Beverly Woo, M.D.

Second Year Residents

Robert C. Altbaum, M.D.
John C. Baldwin, M.D.
Michael E. Bigby, M.D.
Nelson M. Braslow, M.D.
Stephen B. Calderwood, M.D.
John P. DiMarco, M.D.
Stella A. Goings, M.D.
John D. Goodson, M.D.
Carl Grunfeld, M.D.
Paul W. Ladenson, M.D.
George V. Lawry II, M.D.
Jennifer L. Link, M.D.
Albert G. Mulley, M.D.
Douglas A. Murphy, M.D.
Howard Ozer, Jr., M.D.
Mark S. Pasternack, M.D.
Harry R. Phillips III, M.D.
Paul G. Ramsey, M.D.
Ellis L. Reinherz, M.D.
Marcia R. Silver, M.D.
John W. Stakes III, M.D.
Douglas R. Zusman, M.D.

First Year Residents (Interns)

Joseph V. Bonventre, M.D.
Kenneth R. Bridges, M.D.
Calvin L. Day, Jr., M.D.
Mark C. Fishman, M.D.
Peter Ganz, M.D.
Phyllis I. Gardner, M.D.
Raymond J. Gibbons, M.D.
Laurie H. Glimcher, M.D.
John E. Godine, M.D.
Jerome E. Groopman, M.D.
Andrew R. Hoffman, M.D.
Michael F. Holick, M.D.
Michael A. Lovett, M.D.
John V. Mickey, M.D.
Glenn R. Olds, M.D.
Jane R. Parnes, M.D.
James M. Richter, M.D.
Alfred M. Sadler, M.D.
Edward H. Shortliffe, M.D.
J. Walter Smith, M.D.
Simeon I. Taylor, M.D.
John S. Wolfson, M.D.

DERMATOLOGY

Chief Resident
Gabriel G. Gruber, M.D.

Third Year Residents

Sylvia C. Johnson, M.D.
Thomas M. Krop, M.D.
Steven K. Shama, M.D.

Second Year Residents

Daniel C. Burnes, M.D.
Arthur R. Rhodes, M.D.

First Year Residents

Richard A. Clark, M.D.
Aaron M. Dworin, M.D.
Theodore H. Kwan, M.D.
Thomas O. McMeekin, M.D.
Marcia G. Tonnesen, M.D.

NEUROLOGY

Chief Resident

Howard D. Weiss, M.D.

Third Year Residents

Telmo M. Aquino, M.D.
Robert D. Helme, M.B.B.S.
Daniel B. Hier, M.D.
Richard C. Hinton, M.D.
Stephen M. Sagar, M.D.
Martin A. Samuels, M.D.
Thomas M. Walshe, M.D.

Second Year Residents

Howard S. Kirshner, M.D.
Dennis M. D. Landis, M.D.
Elizabeth A. Reid, M.D.
Jorge A. Romero, M.D.

First Year Residents

Samir F. Atweh, M.D.
Ira Bergman, M.D.
Peter Bernad, M.D.
Laura R. Ment, M.D.
Amy A. Pruitt, M.D.
Allan H. Ropper, M.D.
Bradley T. Truax, M.D.

PSYCHIATRY

Third Year Residents

David M. Bear, M.D.
William E. Falk, M.D.
Bernard M. Gerber, M.D.
Howard M. Greilsheimer, M.D.
Stephen C. Kleinman, M.D.
Anastasia Kucharski, M.D.
Mark G. F. McCormick, M.D.
Richard C. Rice, M.D.
Jerrold F. Rosenbaum, M.D.
Linda C. Shafer, M.D.
Jeffrey L. Simmons, M.D.
Lois S. Slovik, M.D.
Gordon J. Trockman, M.D.
David A. Waller, M.D.
Thomas G. Worobec, M.D.

Second Year Residents

Milton K. Erman, M.D.
Sherman S. Fox, M.D.
Ann C. Ganczewski, M.D.
Gregory L. LaVigne, M.D.
Laurence S. Lorefice, Jr., M.D.
Richard E. Minter, M.D.
Dean X. Parmelee, M.D.
Jonathan S. Rothman, M.D.
John H. Shale III, M.D.
Adele G. Wilkeson, M.D.

First Year Residents

Ellen M. Andrews, M.D.
Marie E. Armentano, M.D.
Laurence E. DuComb, M.D.
Christopher D. Gordon, M.D.
Michael S. Jellinek, M.D.
Marc S. Kramer, M.D.
Denise M. Nagel, M.D.
John J. Purcell, M.D.
Lawrence F. Selter, M.D.
Theodore A. Stern, M.D.
Glenn R. Yank, M.D.

CHILDREN'S

Chief Resident

David A. Link, M.D.

Third Year Residents

David A. Auerbach, M.D.
Victor C. Baum, M.D.
Mark A. Goldstein, M.D.
Martha J. Macdonald, M.D.
Robert M. Meyer, M.D.
Susan R. Panny, M.D.
William A. H. Sammons, M.D.

Second Year Residents

William J.L. Cable, M.D.
Herbert W. Clegg II, M.D.
Lawrence D. Cohan, M.D.
Ernest F. Krug III, M.D.
Michael L. Macknin, M.D.
Melinda Moore, M.D.
Patricia P. O'Rourke, M.D.
Alexander M. Walker, M.D.
Joanne K. YonKondy, M.D
Richard S. K. Young, M.D.

First Year Residents (Interns)

Arnold D. Gale, M.D.
Peter T. Greenspan, M.D.
Sandra N. Lehrman, M.D.
H. Salem Magarian, M.D.
Heber C. Nielsen, M.D.
Patricia J. O'Malley, M.D.
William E. Russell, M.D.
Ann L. Sattler, M.D.
Mary A. Whelan, M.D.
Edward E. Zalitis, M.D.

NEUROSURGERY

Fifth Year Resident

Lincoln F. Ramirez, M.D.

Fourth Year Residents

Thomas J. Arkins, M.D.
Curtis N. Nelson, M.D.

Third Year Residents

Peter M. Black, M.D.
Michael H. Lavyne, M.D.
Eugene A. Quindlen, M.D.

Second Year Residents

Steven S. Brem, M.D.
Teodoro F. Dagi, M.D.
Thomas H. Jones, M.D.
Robert L. Martuza, M.D.
Barry H. Smith, M.D.

ORAL SURGERY

Chief Resident

James D. Billie, D.M.D.

Third Year Resident

Larry S. Williams, D.D.S.

Second Year Residents

Rocco R. Addante, D.M.D.
Nalton F. Ferraro, D.M.D.

First Year Residents

Gregory L. Borah, D.M.D.
Thomas W. Connolly, Jr., D.M.D.

ORTHOPAEDIC SURGERY

Chief Residents

Roy K. Aaron, M.D.
Frederick L. Jones, M.D.

Third Year Residents

Robert M. Averill, M.D.
Robert K. Hillier, M.D.
Harry E. Jergesen, M.D.
Scott V. Linder, M.D.
Stephen J. Lipson, M.D.
John M. Mazur, M.D.
Frank Seinsheimer, M.D.
Peter J. Stern, M.D.

Second Year Residents

Peter C. Amadio, M.D.
Stephen G. Brown, M.D.
Charles A. DiCecca, M.D.
Ronald D. Ellis, M.D.
Douglas O. Halsted, M.D.
Philip J. Lahey, M.D.
Steven A. Manalan, M.D.
Stephen H. Norris, M.D.
Victor Tseng, M.D.
Melvin D. Young, M.D.

First Year Residents

Benjamin F. Allen, M.D.
Roger H. Emerson, Jr., M.D.
Jonathan L. Fox, M.D.
Roger W. Hood, M.D.
Jesse B. Jupiter, M.D.
George B. McManama, M.D.
Stephen M. Neely, M.D.
Steven E. Selden, M.D.

SURGERY

Chief Residents

Benjamin E. Cohen, MD.
Bruce W. Lytle, M.D.
Samuel E. Selinger, M.D.
William L. Smead, M.D.

Fifth Year Residents

Woodward Cannon, M.D.
Matthias B. Donelan, M.D.
Jose R. Gonzalez, M.D.
Herbert C. Hoover, Jr., M.D.
Robert Lowe, M.D.
Sharon K. Muenchow, M.D.
Robert O. Powell, M.D.
John H. Raaf, M.D.
Robert L. Thurer, M.D.

Fourth Year Residents

William P. Adams, M.D.
Thomas F. Dodson, M.D.
Magruder C. Donaldson, M.D.
Robert D. Gordon, M.D.
Robert A. Guyton, M.D.
Arlen R. Holter, M.D.
James K. Kirklin, M.D.
Richard B. Lewis, M.D.
Patrick J. O'Hara, M.D.
Francis B. Pease, M.D.
John A. Perlman, M.D.
James J. Reilly, M.D.
David M. Shahian, M.D.

Third Year Residents

William S. Coleman, M.D.
Richard P. Harmel, M.D.
Michel Jean-Baptiste, M.D.
Douglas J. Mathisen, M.D.
Charles J. McCabe, M.D.
Susan E. Miller, M.D.
Charles Peters, M.D.
Harvey M. Rosen, M.D.
Joseph P. Vacanti, M.D.
Boyd H. Winslow, M.D.

Second Year Residents

Steven W. Guyton, M.D.
Reid H. Hansen, M.D.
Houston Johnson, Jr., M.D.
Richard J. Morgan, M.D.
Christopher J. Morin, M.D.
M. Kathleen Reilly, M.D.
Andrew B. Roberts, M.D.
Russell L. Ryan, M.D.
Paul K. Safer, M.D.
Robert C. Shamberger, M.D.
Jeffrey D. Stone, M.D.
Steven Varadi, M.D.
Gus J. Vlahakes, M.D.
David J. Zaleske, M.D.

First Year Residents

Hugh Auchincloss, Jr., M.D.
Scott P. Bartlett, M.D.
Robert J. Bates, M.D.
Robert M. Bojar, M.D.
Charles J. Ferguson, M.D.
Eric C. Hansen, M.D.
Marshall L. Jacobs, M.D.
Jeffrey L. Kaufman, M.D.
Michael P. LaQuaglia, M.D.
Craig W. Lillehei, M.D.
Raymond S. Martin III, M.D.
Bruce A. Perler, M.D.
Ronald G. Tompkins, M.D.
Mary S. Webb, M.D.

PATHOLOGY

Chief Resident

Ronald L. Sirota, M.D.

Fifth Year Resident

Walter K. Jung, M.D.

Fourth Year Residents

Roy J. Apter, M.D.
Stephen J. Galli, M.D.
Ben Z. Pilch, M.D.

Third Year Residents

Terence J. Harrist, M.D.
George M. Kleinman, M.D.
Katharine S. Kosinski, M.D.
Joan R. Kumar, M.D.
Walter P. Richardson, M.D.
Robert E. Sandstrom, M.D.

Second Year Residents

Peter R. Boyd, M.D.
Michael F. Briselli, M.D.
James D. Faix, M.D.
Jettie V. Hunt, M.D.
Mindy Persson, M.D.
Marc E. Sternberg, M.D.
Erika L. Whitmore, M.D.
Robert H. Young, M.D.

First Year Residents

Antoinette Hood, M.D.
Nicholas J. Robert, M.D.

First Year Residents (Interns)

Helen R. Fraser, M.D.
Austin K. Raymond, M.D.

ANESTHESIA

Chief Resident

Frederic M. Ramsey, M.D.

Fifth Year Resident

Frank G. Zavisca, M.D.

Fourth Year Resident

Gerald V. Goresky, M.D.

Third Year Residents

Frederick M. deBros, M.D.
Ronald D. Friedman, M.D.
Stephen H. Harkness, M.D.
Toyoki Kugimiya, M.D.
Philip W. Lebowitz, M.D.
Mark M. Mitchell, M.D.
Brian P. Murray, M.D.
Harvey C. Slocum, Jr., M.D.
John K. Stene, Jr., M.D.
Richard S. Teplick, M.D.

Second Year Residents

John R. Ammon, M.D.
Armen J. Bogosian, M.D.
Richard H. Edmondson, M.D.
James M. Gayes, M.D.
Anthony George, M.D.
Glenn P. Gravlee, M.D.
William L. Hazard, M.D.
Sean K. Kennedy, M.D.
Philip E. Lane, M.D.
Jonathan Moss, M.D.
Constance F. Neely, M.D.
Mark A. Rockoff, M.D.
Carl E. Rosow, M.D.
Thomas R. VerLee, M.D.

First Year Residents

Keith Ballentyne, M.B., Ch.B.
Ricki Z. Barnett, M.D.
Kenneth H. Batch, M.D.
Peter C. Delevett, M.D.
Francis D. Harris, M.D.
Charles C. Jeffrey, M.D.
Allen C. Johnson, M.D.
Richard F. Kaplan, M.D.
William R. Kimball, M.D.
Leopold D. Landry, Jr., M.D.
Betty J. Muller, M.D.
Gary D. Rechnitz, M.D.
Allan P. Reed, M.D.
Jean E. Rinaldo, M.D.
Walter C. Sheets, M.D.
Thomas W. Stinson III, M.D.
Michael M. Todd, M.D.
A. N. Triantafillou, M.D.
George R. Warfield III, M.D.

UROLOGY

Chief Resident

Michael E. Mitchell, M.D.

Third Year Resident

Eric J. Sacknoff, M.D.

Second Year Residents

I. Kathleen Cook, M.D.
Kiran K. Crooks, M.D.
John A. Heaney, M.B., B.Ch.
Peter T. Nieh, M.D.

RADIATION MEDICINE

Chief Resident

Oscar A. Mendiondo, M.D.

Fourth Year Resident

Isaac Vaisman, M.D.

Third Year Residents

Arthur J. Elman, M.D.
Marie Overgaard, M.D.
Newell O. Pugh, M.D.

Second Year Residents

Jens Overgaard, M.D.
Tyvin A. Rich, M.D.
Anthony H. Russell, M.D.

RADIOLOGY

Chief Resident

Derace L. Schaffer, M.D.

Fourth Year Resident

Jonathan Kleefield, M.D.

Third Year Residents

James M. Davis III, M.D.
Alan G. Dembner, M.D.
Deborah A. Hall, M.D.
Saadoon Kadir, M.D.
Daniel B. Kopans, M.D.
Hing-Har Lo, M.D.
John A. Long, M.D.
Peter R. Mueller, M.D.
Robert G. Peyster, M.D.
James H. Zuger, M.D.

Second Year Residents

Robert A. Greenes, M.D.
Lucy E. Hann, M.D.
William P. Harbin, M.D.
William D. Harley, M.D.
Robert J. Isler, M.D.
David C. Kushner, M.D.
Samuel L. Maxwell, Jr., M.D.
James D. McChesney, M.D.
Daniel H. O'Leary, M.D.
Joseph R. Stock, M.D.
Barry D. Toombs, M.D.

First Year Residents

Gloria J. Chang, M.D.
Peter H. Gordon, M.D.
Robert Greenstein, M.D.
Marvin A. Konstam, M.D.
Courtney C. Neff, M.D.
Robert H. Paley, M.D.
Clifford E. Roemer, M.D.
James A. Scott, M.D.
Thomas W. Smith, M.D.
Eric van Sonnenberg, M.D.
Gary G. Winzelberg, M.D.

CLINICAL AND RESEARCH FELLOWS

MEDICINE

Visiting Fellows

Anthony D. C. Macknight, M.B.,ChB. Barry M. Saker, M.B.B.S.

Shigeo Suzuki, Ph.D.

Fellows

John B. Adams, M.D.
Thomas R. Allyn, M.D.
William J. Alton, M.D.
Stuart B. Baker, M.D.
Carter M. Becker, M.D.
Leonard B. Berkowitz, M.D.
John A. Billings, M.D.
Andrew G. Bodnar
Jory L. Braun, M.D.
Franklin R. Bringhurst, M.D.
Charles A. Brown, M.D.
Michael A. Bush, M.D.
Susan E. Cancelosi, Ph.D.
Blase A. Carabello, M.D.
Leo M. Cass, M.D.
Francisco R. Castro, M.D.
Sarah H. Cheeseman, M.D.
Richard S. Cherlin, M.D.
William W. Chin, M.D.
David S. Cooper, M.D.
Arturo Cordova, M.D.
Lawrence M. Crapo, M.D.
William F. Crowley, M.D.
Mario Davalos, M.D.
Wayne A. Davies, Ph.D.
Joseph E. Davis, M.D.
Jean-Michel Dayer, M.D.
Jules L. Dienstag, M.D.
N. Dudani, M.B.B.S.
Victor J. Dzau, M.D.
Marie-Therese Escourrou, M.D.
Leslie S-T Fang, M.D.
Edward R. Feller, M.D.
Stan N. Finkelstein, M.D.
Matthew A. Miller, M.D.
Carl B. Monroe, M.D.
Robert S. Munford, M.D.
Richard A. Murphy, M.D.
Barbara E. Murray, M.D.
Edward A. Nardell, M.D.
Allen B. Nichols, M.D.
Hoyoku Nishino, M.D.
Jiri Novotny, Ph.D.
Roslyn B. Orkin, Ph.D.
Igor Palacios Undaneta, M.D.
Richard C. Pasternak, M.D.
Allan Pont, M.D.
Warren Finkelstein, M.D.
Michael R. Fischetti, M.D.
Henry C. Ford, M.D.
Hasan Garan, M.D.
Patricia E. Garrett, Ph.D
Steven R. Goldring, M.D.
Richard L. Goldstein, M.D.
Robert J. Goldstein, M.D.
Robert S. Greenberg, M.D.
James D. Griffin, M.D.
Denis B. Hammond, M.D.
Jeffrey E. Harris, M.D.
John W. Henley, M.B., Ch.B.
Eleanor T. Hobbs, M.D.
Humphrey J. Hodgson, B.M., B.Ch.
Charles J. Homcy, M.D.
Shahrokh Javaheri, M.D.
Barbara P. Johnson-Muller, Ph.D.
Andre Jung, M.D.
Martin I. Kalish, M.D.
Donald M. Kaplan, M.D.
Jeane N. Kelly, M.D.
Barry J. Kemler, M.D.
J. David Kieffer, Ph.D.
Howard D. Kirshenbaum, M.D.
John C. Klock, Jr., M.D.
Thomas R. Korfhagen, Ph.D.
Randall S. Krakauer, M.D.
Donald J. Krogstad, M.D.
Henry M. Kronenberg, M.D.
Pedro Labarca, M.Sc.
Joseph A. Majzoub, M.D.
Gary R. Matsueda, Ph.D.
John McDermott, M.D.
Edward W. Schroder, Ph.D.
Allan Schwartz, M.D.
Susan B. Shurin, M.D.
Paul C. Simpson, Jr., M.D.
David M. Slovik, M.D.
James R. Snapper, M.D.
Gerald H. Sokol, M.D.
Michael E. Somand, M.D.
Yuko Takagaki, Ph.D.
Janet Thorndike, Ph.D.
Joseph J. Torre, M.D.
Wayne N. Trebbin, M.D.
George L. Tully III, M.D.

Eric R. Powers, M.D.
Andrea Quaroni, Ph.D.
Jonathan Reeve, B.M.,B.Ch.
Charles S. Rinaldo, Jr., Ph.D.
Michael Rosenblatt, M.D.
Jeremy N. Ruskin, M.D.
Daivd L. Rutlen, M.D.
Kiran B. Sagar, M.D.
Jonathan M. Samet, M.D.
David A. Samuels, M.D.
Carol A. Waksmonski, M.D.
Kurt Weigand, M.D.
Sigmund A. Weitzman, M.D.
Peter F. Weller, M.D.
Danny M. Westphal, M.D.
Elaine Woo, M.D.
Simeon M. Wrenn, Jr., Ph.D.
Michael B. Zack, M.D.
Deborah Zemer, M.D.
Vincent R. Zurawski, Jr., Ph.D.

DERMATOLOGY

Ritendra K. Biswas, Ph.D.
Stephen E. Gellis, M.D.
Barbara A. Gilchrest, M.D.
Ernesto Gonzalez, M.D.
Joseph Kubilus, Ph.D.
David I. McLean, M.D.
John W. Melski, M.D.
Khosrow Momtaz, M.D.
Warwick L. Morison, M.B.B.S.
David B. Mosher, M.D.
Reinaldo Rosario, M.D.
Robert S. Stern M.D.
Masaaki Takahashi, M.D.
Harold A. D. White, M.B.B.S.

Michael M. Wick, M.D.

NEUROLOGY

Albert A. Ackil, M.D.
Maria D. Arroyo, M.D.
Sieglinde Egloff, M.D.
William L. High, Jr., M.D.
Paul J. Maccabee, M.D.
Maria Pinto, M.D.
Janine Prot-Wald, M.D.
Maria V. Salam, M.D.

Jean M. Schoenen, M.D.

NEUROPATHOLOGY

Colin L. Masters, M.B.B.S.
Karen K. Thalinger, M.D.

PSYCHIATRY

Don J. Brand, M.A.
Suzanne L. Cohen, M.E.d.
Jane R. Common, M.A.
Marie S. Farhadi, M.D.
Samuel H. Fisk, M.B.A.
Arlene F. Frank, Ph.D.
Eli Goldman, Ph.D.
Stephen D. Howard, M.D.
Robin O. Kenney, M.E.d.
Thomas R. Kelleher, Ph.D.
Richard A. Kolotkin, Ph.D.
Charles I. Krauthammer, M.D.
John E. Kuehnle, M.D.
Kristen J. Kuehnle, M.Ed.
James M. Laster, M.D.
Constance E. Lorman, M.Ed.
Nancy A. Lundy, M.A.
Janice A. Murphy, Ph.D.
Thomas B. Panowicz, M.E.d.
Margaret M. Pawlowski, M.D.
John M. Riley, Ph.D.
Kenneth I. Reich, M.E.d.
Joanna B. Rohrbaugh, Ph.D.
Larry J. Siever, M.D.
Elizabeth L. Silverberg, M.A.
Harry J. Sobel, M.S.
Leslie J. Soloman, M.Ed.
Gunther J. Sperk, Ph.D.
Paola Strocchi, M.D.
Digby J.H. Tantam, B.M.,B.Ch.
Judith G. Teicholz, M.Ed.
Kathleen H. Ulman, M.A.
Gordon M. Wheeler, M.Ed.
William A. Winn, M.Ed.

Martha S. Wiske, M.A.

PEDIATRICS

Joel M. Andres, M.D.
Barry B. Bercu, M.D.
Lucienne A. Cahen, M.D.
Jose F. Cordero, M.D.
Edmund J. Eastham, M.B.B.S.
Joseph D. Irr, Ph.D.
Stephen J. Jacobsen, Ph.D.
Karl H. Karlson, Jr., M.D.
Craig L. Kien, M.D.
Mary E. King, M.D.
Alan M. Lake, M.D.
Ruth M. Liberfarb, M.D.
Wayne A. Miller, M.D.
William J. Vanjonack, Ph.D.

NEUROSURGERY

Joe M. Parks, Ph.D.
Andrew G. Shetter, M.D.

SURGERY

John R. Allsop, M.B.B.S.
Robert Boucher, M.D.
James F. Burdick, M.D.
Eva P. Dahl, M.D.
Allen G. Delaney, M.D.
Jacques deToeuf, M.D.
Jean C. Escourrou, M.D.
G. Gregory Gallico, M.D.
Gillian G. Geffin, M.B.,B.S.
Jerome Haber, D.D.S.
Edward E. Jacobs, M.D.
Harold R. Kay, M.D.
Iain G. Kidson, M.B.,B.Chir.
Masaki Kitajima, M.D.
Koichi Kobayashi, M.D.
William G. Lavelle, M.D.
Robert Lowe, M.D.
Willie D. McCullough, Ph.D.
Joseph B. McIlduff, M.D.
Maria C. Minguez, M.D.
Yasuhide Morikawa, M.D.
Anne W. Phillips, M.D.
Sayed A. Qadri, M.B.B.S.
Edmond J. Raker, M.D.
R. Subba Rao, M.B., B.S.
Filippo Rossi-Fanelli, M.D.
John C. Robinson, M.D.
Horacio H. Schlaen, M.D.
Gregory E. Scott, M.D.
Elizabeth M. Sajdel-Sulkowska, Sc.D.
Arlen R. Smith, M.D.
John M. Snowden, Ph.D.
Jacques Suaudeau, M.D.
Onno T. Terpstra, M.D.
Andrea Tropea, M.D.
Michael P. Vezeridis, M.D.
Robert R. Wolfe, Ph.D.

GYNECOLOGY

David T. MacLaughlin, Ph.D.
Rodrigo Urcuyo, M.D.

ORTHOPAEDIC SURGERY

Robert B. Bourne, M.D.
Avner Karev, M.D.
Avigdor I. Niv, M.D.
Timothy R. O'Brien, Ph.D.
Indong Oh, M.D.
Richard D. Scheinberg, M.D.
Norman S. Schachar, M.D.
Paul D. Shirley, M.D.
Edward M. Staub, M.D.

PATHOLOGY

John T. Fallon, M.D.
Clive L. Hall, M.D.
Takeo Matsuno, M.D.
Erna E. Pettersson, M.D.

RADIOLOGY

Luther B. Adair, M.D.
Ben A. Arnold, Ph.D.
Kenneth T. Bacon, M.D.
Jean-Claude Baron, M.D.
Saadia Cochavi, Ph.D.
Guy T. Ellis III, M.D.
Mariano L. Ezpeleta, Jr., M.D.
Ricardo V. Gonzalez, M.D.
Amar N. Gulati, M.D.
George B. Inglis, Ph.D.
Nancy H. Kolodny, Ph.D.
S. Kulprathipanja, Ph.D.
William T. Murray, M.D.
Arthur H. Newberg, M.D.
John A. Parker, M.D.
Rina Tadmor, M.D.
Marshall A. Weissberger, Ph.D.
Robert G. Zamenhof, Ph.D.

UROLOGY

S.C. Pastra-Landis, Ph.D.

RADIATION MEDICINE

Leo E. Gerweck, Ph.D.
Yuzo Kikuchi, M.D.
Rita M. Linggood, M.B.B.S.
Howard B. Michaels, Ph.D.
Joel E. Tepper, M.D.
Adrian R. Timothy, M.B.B.S.

ORAL SURGERY

Charles N. Bertolami, D.D.S.
Warren E. Green, Jr., D.M.D.
Ragnhild M. Horvath, D.M.D.
David A. Keith, B.D.S.
Roy A. Rockman, D.D.S.
David E. Waterfall, D.M.D.

ANESTHESIA

Robert P. Antonio, M.D.
William B. Chan, D.M.D.
Robert N. Concannon, M.B.,B.Ch.
Benjamin G. Covino, M.D.
Robert K. Crone, M.D.
Michael J. Davies, M.B.B.S.
J. Kenneth Davison, M.D.
Michael A. Flynn, M.D.
Astrid E. Liland, M.D.
Philip J. Morris, M.B.,Ch.B.
Michio Ohtaka, Ph.D.
Kam-Yee Yu Pang, Ph.D.
James H. Philip, M.D.
Michael J. Pringle, Ph.D.
Robert G. Seeman, M.D.
Lein-Chun Shaw, M.D.
Raymond A. Smith, D. Phil.
Ian R. Thomson, M.D.

STAFF
THE MASSACHUSETTS GENERAL HOSPITAL
McLEAN HOSPITAL

List of Officers and Staff begins on page 212

Massachusetts Eye and Ear Infirmary

The Ophthalmological and Otolaryngological needs of the Massachusetts General Hospital are served by the Massachusetts Eye and Ear Infirmary, an adjacent but independent specialty hospital. The staff of the Massachusetts Eye and Ear Infirmary is as follows:

MEDICAL STAFF

DEPARTMENT OF OPHTHALMOLOGY

ACTIVE STAFF

Chief of Ophthalmology
Claes H. Dohlman, M.D.

Associate Chief of Ophthalmology
Charles D. J. Regan, M.D.

Assistant Chief of Ophthalmology
Richard A. Thoft, M.D.

Surgeons in Ophthalmology

S. Arthur Boruchoff, M.D.
Robert J. Brockhurst, M.D.
Thomas P. Cronin, M.D.
Claes H. Dohlman, M.D.
W. Morton Grant, M.D.
Charles D.J. Regan, M.D.
Alfred W. Scott, M.D.
David H. Scott, M.D.
Richard J. Simmons, M.D.
Taylor R. Smith, M.D.
Richard A. Thoft, M.D.

Associate Surgeons in Ophthalmology

Daniel M. Albert, M.D.
Lloyd M. Aiello, M.D.
Richard B. Chapman, M.D.
David D. Donaldson, M.D.
H. MacKenzie Freeman, M.D.
Carl G. Freese, M.D.
Stephen J. Fricker, M.D.
George E. Garcia, M.D.
John R. Gehring, M.D.
Warren D. Haley, M.D.
Ralph H. Hinckley, M.D.
Roland E. Houle, M.D.
B. Thomas Hutchinson, M.D.
Robert C. Lawlor, M.D.
Byron S. Lingeman, M.D.
J. Wallace McMeel, M.D.
George M. Olive, M.D.
Baruch J. Sachs, M.D.
Michael Wiedman, M.D.

Assistant Surgeons in Ophthalmology

Eliot L. Berson, M.D.
Charles K. Beyer, M.D.
John M. Carroll, M.D.
Leo T. Chylack, M.D.
Deborah Pavan-Langston, M.D.
Eeva-Liisa Martola, M.D.
Joseph Michon, M.D.
David Miller, M.D.

Eugene C. Ciccarelli, M.D.
Albert R. Frederick, Jr., M.D.
Alexander R. Gaudio, M.D.
Robert A. Gorm, M.D.
Joseph C. Kim, M.D.
Mohandas M. Kini, M.D.
Arnold J. Kroll, M.D.
Joel Arthur Kraut, M.D.
Brent W. Lambert, M.D.
Robert A. Petersen, M.D.
Silvio R. von Pirquet, M.D.
Roland C. Pruett, M.D.
Richard M. Robb, M.D.
Perry Rosenthal, M.D.
John G. Sebestyen, M.D.
Harvey H. Slansky, M.D.
David S. Walton, M.D.
Donald R. Weiss, M.D.

Assistant Physician in Ophthalmology
Shirley H. Wray, M.D.

Assistants in Ophthalmology
A. Robert Bellows, M.D.
Don Carl Bienfang, M.D.
Chester J. Boulris, M.D.
Jack F. Bowers, M.D.
David G. Campbell, M.D.
John B. Constantine, M.D.
Robert B. Cook, M.D.
Richard L. Dallow, M.D.
David K. Dueker, M.D.
David L. Epstein, M.D.
Gault M. Farrell, M.D.
Elliot M. Finkelstein, M.D.
Richard P. Floyd, M.D.
James M. Gordon, M.D.*
Evangelos Gragoudas, M.D.
David S. Greenseid, M.D.
Arthur S. Grove, M.D.
David A. Hill, M.D.
Tatsuo Hirose, M.D.
David S. Hutchison, M.D.
Barry Jacobs, M.D.
Eric H. Johnson, M.D.
Jay H. Kaufman, M.D.
Robert T. Lacy, M.D.
James R. Lee, M.D.
Raymond Liggio, M.D.
Ernst J. Meyer, M.D.
Paul E. Michelson, M.D.
Peter B. Mooney, M.D.
Edward Murphy, Jr., M.D.
Paul E. Pataky, M.D.
James T. Patten, M.D.
David G. Perkins, M.D.
Charles T. Post, M.D.
Donald W. Putnoi, M.D.
Edward A. Ryan, M.D.
Kenneth A. Stampfer, M.D.
Felipe I. Tolentino, M.D.
Daniel W. Tolpin, M.D.
Clement Trempe, M.D.
Paul F. Vinger, M.D.
George A. Violin, M.D.

Consulting Chiefs of Ophthalmology
Henry F. Allen M.D.
Paul A. Chandler, M.D.
David G. Cogan, M.D.
Edwin B. Dunphy, M.D.

Senior Consulting Surgeons in Ophthalmology
D. Robert Alpert, M.D.
William P. Beetham, M.D.
Harry E. Braconier, M.D.
Virgil G. Casten, M.D.
Joseph M. Clough, M.D.
Mahlon T. Easton, M.D.
Trygve Gundersen, M.D.
Carl C. Johnson, M.D.
Brenden D. Leahey, M.D.
Sumner D. Liebman, M.D.
Henry A. Mosher, M.D.
Ichiro D. Okamura, M.D.
Irving L. Pavlo, M.D.
Abraham Pollen, M.D.
Karl Riemer, M.D.
Charles L. Schepens, M.D.
Earl S. Seale, M.D.
Albert E. Sloane, M.D.
Garrett L. Sullivan, M.D.
Francis J. West, M.D.

*L.O.A.

HONORARY STAFF

Associate Surgeons in Ophthalmology

Frederick B. Breed, M.D.
John M. Hill, M.D.
Charles H. MacLaughlin, M.D.

Assistant Surgeons in Ophthalomogy

Julian F. Chisholm, M.D.
Robert Kinder, M.D.
Arthur M. Morrissey, M.D.
Bertha Offenbach, M.D.

General Eye Service
Charles D.J. Regan, M.D.,
Director

Emergency Ward
Arthur S. Grove, M.D.,
Director

Glaucoma Consultation Service
W. Morton Grant, M.D.,
Director

Cornea Service
Deborah Pavan-Langston,
M.D., Director

Ocular Motility Service
Stephen J. Fricker, M.D.,
Director

Ophthalmic Pathology
Taylor R. Smith, M.D.
Director

Pediatric Ophthalmology Service
David S. Walton, M.D.,
Director

Retina Service
Charles D.J. Regan, M.D.,
Acting Director

Neuro-Ophthalmology Service
Shirley H. Wray, M.D.,
Director

Resident Training
Charles S. Foster, M.D.,
Director

OTOLARYNGOLOGY

ACTIVE STAFF

Chief of Otolaryngology

Harold F. Schuknecht, M.D.

Surgeons in Otolaryngology

William L. Hayden, M.D.
Alfred L. Hurst, M.D.
Robert E. Klotz, M.D.
Robert H. Lofgren, M.D.
John E. McKeigue, M.D.
William W. Montgomery, M.D.
Harold F. Schuknecht, M.D.

Associate Surgeons in Otolaryngology

Yale J. Berry, M.D.
Richard R. Gacek, M.D.
Allan G. Edwards, M.D.
C. Edward Jackson, M.D.
Roy A. Johnson, M.D.
Donald G. Keamy, M.D.
Thomas R. Klein, M.D.
John M. Kurkjian, M.D.
Clarence Kylander, M.D.
Rufus C. Partlow, M.D.
David L. Pierce, M.D.
John C. Trakas, M.D.
William R. Wilson, M.D.

Assistant Surgeons in Otolaryngology

David D. Burtner, M.D.
Robert P. Cipro, M.D.
Richard L. Fabian, M.D.
Carl M. Lieberman, M.D.
Jon B. Liland, M.D.
Joseph A. Moretti, M.D.
Stephen A. Smith, M.D.
Marshall Strome, M.D.
Ernest A. Weymuller, M.D.

Assistants in Otolaryngology

Howard M. Ecker, M.D.[1]
Edward J. Glinski, M.D.
Edward E. Jacobs, M.D.
Ely A. Kirschner, M.D.
William G. Lavelle, M.D.
Trevor J. I. McGill, M.D.
Thomas J. Mulvaney, M.D.
Joseph B. Nadol, M.D.
Angelo Pappanikou, M.D.
Stephen A. Parker, M.D.[2]
Alfred D. Weiss, M.D.[2]

Subdivision of Plastic and Reconstructive Surgery

Aram Roopenian, M.D.
Senior Consulting Associate Surgeon in Plastic and Reconstructive Surgery

Richard L. Fabian, M.D.
Assistant Surgeon in Plastic and Reconstructive Surgery

Howard M. Ecker, M.D.
Assistant in Plastic and Reconstructive Surgery

Subdivision of Otolaryngologic Pathology

Max L. Goodman, M.D.,
Director

Head and Neck Tumor Clinic

William W. Montgomery, M.D., Director

Ernest Weymuller, M.D., Associate Director

Endoscopy Service

William W. Montgomery, M.D., Director

Thomas J. Mulvaney, M.D., Associate Director

Esophageal Voice Classes

Ann Volk, Director

Audiology

Rhoda K. Morrison, Chief Audiologist

Consulting Chief of Otolaryngology

LeRoy A. Schall, M.D.

Senior Consulting Surgeons in Otolaryngology

Walter J.E. Carroll, M.D.
Charles J. Drooker, M.D.
Maurice G. Evans, M.D.
John R. Frazee, M.D.
Robert L. Goodale, M.D.
Edgar M. Holmes, M.D.
Moses H. Lurie, M.D.
Daniel Miller, M.D.
John R. Richardson, M.D.
Sidney R. Wilker, M.D.[3]
Bernard Zonderman, M.D.

HONORARY STAFF

Senior Consulting Surgeon in Otolaryngology

Philip Mysel, M.D.

Associate Surgeons in Otolaryngology

Charles Kent, M.D.
Herman J. Sternstein, M.D.[3]

Assistant Surgeon in Otolaryngology

Elizabeth DeBlois, M.D.

Assistant in Otolaryngology

Frank W. Brady, M.D.

ASSOCIATE STAFF

Associate Surgeon in Otolaryngology

Werner D. Chasin, M.D.

Assistants in Otolaryngology

Robert Wayne Clubb, M.D.[3]
John Nicholas Vandemoer, M.D.

Consultant in Prosthodontia

Peter E. Goldberg, D.D.S.[4]

Consultant in Medical Oncology

Susan Pitman, M.D.[5]

[1] Plastic and Reconstructive Surgery
[2] Neurology
[3] Medical Otolaryngology only
[4] Restricted to Prosthodontia
[5] Restricted to Medical Oncology

MEDICAL STAFF

COMMON TO BOTH SERVICES

DEPARTMENT OF ANESTHESIOLOGY

Chief of Anesthesiology
Porter H. Smith, M.D.

Anesthesiologist
Jin Woo Kim, M.D.

Associate Anesthesiologist
John V. Donlon, M.D.

Assistant Anesthesiologist
Danial W. Lang, M.D.

Assistants in Anesthesiology
Harry R. Frohberg, M.D.
Malcolm J. Heslop, M.D.
Thomas J. Keenan, M.D.
Kathryn E. McGoldrick, M.D.
Ismail Seda Sensel, M.D.
Dae Ik Sonn, M.D.

Assistants in Anesthesiology, (Part-time)
Nishan G. Goudsouzian, M.D.
Miroslawa T. Jasinska, M.D.
Philip W. Lebowitz, M.D.
J.A. Jeevendra Martyn, M.D.

DEPARTMENT OF RADIOLOGY

Chief of Radiology
Alfred L. Weber, M.D.

Radiologist
Alexander S. Macmillan, Jr., M.D.

Associate Radiologist
Kiyokazu J. Momose, M.D.

Assistant Radiologist
Jeanne Keller, M.D.

Consultants in Radio Therapy
Milford D. Schulz, M.D.
Herman D. Suit, M.D.
Chiu-Chen Wang, M.D.

INTERNAL MEDICINE

Richard A. Field, M.D.
Consultant
Gerald J. Doyle, M.D.

MICROBIOLOGY

Microbiologist
Anita Mangiaracine, A.B.

CLINICAL LABORATORY

Supervisor
Eleanor Bushman

Report of the Trustees

It is our pleasure to submit the 163d report of the Trustees. As a result of the increased demands on the Trustees and the complexity of overseeing a voluntary institution under Federal and State review of the many aspects of the hospital's program, Mr. Lawrence in consultation with the Trustees decided that the time had come to reorganize the committee structure of the Trustees so that some of the burden of detail (to satisfy the new government requirements) could be handled in committee and recommended action would come from the committee chairmen to the General Hospital committee or to the Full Board of the Trustees for final policy determination.

By July 1, the Trustees completed the reorganization of the Joint Committees of the Trustees and Staff and some of the Trustees' Standing Committees. The McLean Committee remained under the chairmanship of Mr. George Putnam. Dr. F. Sargent Cheever, Mr. Nelson J. Darling, Jr., and Mrs. Alison Coolidge (the first non-trustee member of the MGH Corporation to be appointed to the committee) were added to this important committee. The following committees were established or reorganized: Finance and Audit Committee, Mr. G. Lamar Crittenden, Chairman; Planning and Building Committee, Mr. Francis H. Burr, Chairman; Compensation and Personnel Practices Committee, Mr. Maurice Lazarus, Chairman; Resources and Development Committee (which assumed the responsibility of the former Memorials Committee) Mr. W. Nicholas Thorndike, Chairman; and the Patient Care Committee, Mrs. R. Morton Claflin, Chairman. The traditional committees on which Trustees served as members with outside advisors and staff other than those listed above remained essentially unchanged. By the end of the calendar year, the new plan had already demonstrated its effectiveness, and Trustee involvement in the affairs of the hospital was more efficiently handled than under the former system.

Professor Francis O. Schmitt, a Trustee appointed by a succession of governors since 1947, and Mr. Lloyd D. Brace, a Trustee since 1943, retired from the Board having reached retirement age. The Trustees noted with deep gratitude the service of Messrs. Schmitt and Brace, and both were elected Honorary Trustees. Professor Schmitt's unusual role on the Board as a scientist represented the research community of the hospital. He served on the Research Committee since its establishment in 1947 and was moderator of the monthly meetings of the full committee for a number of years. Mr. Brace was appointed President of the MGH Corportation to succeed the late Mr. Edward L. Bigelow. Professor Marc J. Roberts, appointed by the Governor of the Commonwealth, and Mr. William J.

McCune, Jr. were appointed to fill the vacancies on the Board. Mr. Henry R. Guild, Jr. retired as Secretary of the Corporation. The Trustees noted with appreciation the singular competence, fidelity, and generosity of his service. Mr. William A. Waldron, General Counsel for the hospital, was appointed to succeed Mr. Guild.

At the Annual Meeting of the Corporation held on February 6th, the Nominating Committee presented a slate of new Members of the Corporation to serve for an initial term of five years. The slate included the following: Mrs. Donald F. Cutler, Mr. Robert L. Fondren, Mr. S. Lang Makrauer, Mrs. Francis U. Paige, and Mr. Henry M. Fawcett. At the same meeting, Mr. Bushrod H. Campbell and Mr. Gilbert H. Hood, Jr. were re-elected for an additional term of five years.

On April 1, the Massachusetts General Hospital began participation in an insurance program for malpractice and general liability through an insurance company created by eleven affiliated Harvard institutions. Creation of this company, known as Controlled Risk Insurance Co., Ltd. has enabled the hospital to reduce its insurance premiums for the 1976 year and it is anticipated that even greater savings will be made in the future. This is but one example of our continuing attempt to keep the cost of hospitalization from increasing at an even faster rate.

In addition, to further understand the components of hospital services and, thereby, hospital costs utilized by the patients of the MGH, a study was undertaken with the assistance of a member of the Board of Trustees to develop a more sophisticated cost analysis procedure which will eventually allow for an analysis of medical cost by diagnosis. It is hoped that this will allow the hospital and the public at large to more fully understand the cost problem and, perhaps, provide additional insight into ways of moderating the rise in medical costs.

The general financial condition of the hospital continues to improve with better administration by the Department of Public Welfare of its Medicaid Program and a resulting increase in cash flow to the hospital. We are pleased that the MGH can continue to supply a full range of services to the public in spite of what is considered by many to be restrictive legislation passed by the state legislature in the fall of 1976.

The application for a Certificate of Need for the Ambulatory Care Center was approved on March 28, 1976. Subsequently, the Ten Taxpayers Group representing the management of the Charles River Park appealed the Public Health Council approval to the Health Facilities Appeal Board. The Health Facilites Appeal Board on July 19, 1976 found that the Public Health Council did not specifically, in reviewing this Certificate of Need, address the complaints of the

Charles River Park group and remanded the approval to the Council. The staff of the Council did not consider this remand until January, 1977. We are hopeful that the final approval will be obtained soon.

The Trustees wish to record that in the past year progress toward obtaining an educational charter for the hospital has been marked by both considerable advancement and frustrating delays. In February, a distinguished visiting committee appointed by the Board of Higher Education evaluated the hospital's plans for degree programs. This committee, chaired by Robert B. Stevens, presently Provost of Tulane University, included eight other members from around the country, representing both academic and health care specialties. The committee issued a highly favorable report on the proposed Education Division, saying that "the MGH is already in many respects a health multiversity," and that "In short the MGH itself comfortably exceeds the five basic requirements for becoming a degree-granting institution in the State of Massachusetts." The committee made several specific recommendations with regard to the proposal to which the Trustees readily acceded.

On May 6, the Collegiate Authority Subcommittee of the Board of Higher Education held a public hearing on the MGH petition, as required by law. In addition to favorable testimony, several representatives of local educational institutions and professional organizations spoke in opposition to the MGH proposal. This opposition was based largely on lack of information or misunderstanding of the MGH proposal, and the hospital subsequently filed a rebuttal.

The remainder of the year was marked by delays, as the Board of Higher Education repeatedly postponed its decision on the MGH petition; however, since the hospital has met all statutory requirements, a decision is anticipated soon.

At the Trustees' Meeting on May 28 on recommendation of the Committee on Memorials and in recognition of the very generous bequest of William Sturgis Bigelow, it was voted to designate the North Tower of the Gray Building as the Bigelow Tower in honor of William Sturgis Bigelow, M.D., his father Henry Jacob Bigelow, M.D., and his grandfather Jacob Bigelow, M.D., all members of the staff of the hospital. The family's service to the hospital covers the period from 1821 to 1926. The dedication of the Tower with descendants of the Bigelow family present took place on the occasion of the Annual Dinner of the Corporation on October 19.

In March Dr. John T. Potts was appointed Chairman of the Committee on Research for a term of three years succeeding Dr. Paul S. Russell, who had served in this capacity with distinction.

In April Mrs. George S. Richardson and Dr. Charles Weiss were

appointed as members of the hospital's Social Service Advisory Committee for a term which expires on December 1, 1978.

Two of the important services of the hospital received new chiefs: Dr. Thomas P. Hackett as Chief of the Psychiatric Service effective April 1 and Dr. James H. Nelson, Jr., Chief of the Gynecological Service and Chief of Staff, Vincent Memorial Hospital, effective July 1.

Dr. Thomas P. Stossel, Richard Saltonstall Director of Oncology, was appointed Chief of Medical Oncology at the newly established Edith Key Haines Laboratories in the Cox Center.

The Trustees voted to appoint Dr. Ronald W. Lamont-Havers as Deputy to the General Director for Research Policy and Administration effective as of September 27 to succeed Ralph G. Meader, Ph.D. Dr. Meader was requested by Dr. Sanders to remain as a consultant at least until July 1, 1977. The Research Colloquium, held in conjunction with the meetings of the Scientific Advisory Committee on December 10, was presented in honor of Dr. Meader's eleven years of service to the hospital

The Scientific Advisory Committee met on December 10 and 11. Two new members attended their first meeting: Dr. Rupert E. Billingham, Professor and Chairman, Department of Cell Biology, University of Texas, Southwestern Medical School at Dallas, and Dr. Julius H. Comroe, Jr., Director, Cardiovascular Research, University of California, San Francisco Medical Center. At the close of these meetings Dr. David H. Hubel, Professor of Neurobiology, Harvard Medical School, and Dr. Jerome B. Wiesner, President, Massachusetts Institute of Technology, retired from the Committee.

A Research Symposium and a "Day of Science" at the MGH organized by Dr. Robert L. Trelstad was presented on December 9 to the Scientific Advisory Committee and a large audience from the scientific community of the MGH. The agenda for the meetings contained a proposal for the establishment of a Research Scholar Program at the hospital. Dr. Lloyd C. Elam, President of Meharry Medical College, and Dr. Louis Sullivan, Dean of Morehouse University School of Medicine, were asked by the Trustees to participate as guests in these meetings.

The Trustees noted with sincere regret the death of Francis C. Gray, former Chairman of the Board of Trustees and President of the MGH, on July 11. He served as Secretary of the Board for 10 years and then as Trustee for 32 years. He also was Chairman of the Board of Trustees from 1946-1964 and served as President from 1962-1972. The year 1976 marked deaths of several friends of the MGH. Dr. Richard G. Whiting died July 9. Dr. Whiting was a member of the medical staff of the MGH for 35 years and at the time of his death was a member of the Senior Consulting Staff until January 1, 1976. Dr.

Henry K. Beecher died on July 25. Dr. Beecher gained international eminence during 33 years as Chief of Anesthesia at the MGH and 29 years at Harvard Medical School as Henry Isaiah Dorr Professor of Research in Anesthesia. Dr. Walter S. Burrage, former Chief of the Allergy Clinic, died on September 19. Dr. Burrage's 50-year association with the MGH began with his internship in 1926 after graduation from Harvard Medical School. He headed the Allergy Clinic from 1948 to 1956 and served on the Board of Consultation since 1967. Mr. George S. Weld, Assistant Treasurer of the MGH from 1946-1969 and Secretary from 1956-1969 and a Member of the Corporation, died on December 15. Dr. Edwin F. Cave, a member of the Orthopaedic Service and Chief of the Fracture Service from 1947-1957, died on December 29. At the time of his death, he was Consulting Visiting Orthopaedic Surgeon. Dr. Cave's career at the hospital started as a member of the East Surgical Service immediately following his graduation from Harvard Medical School in 1924 and was interrupted only by his service in World War II. He served a term as president of the American Orthopaedic Association and as 2nd vice president of the American College of Surgeons. He established an endowment fund at the hospital which carries his name and his wife's name to provide income for individual members of the Orthopaedic Department to provide travel and subsistence and tuition related to the acquisition of educational experience.

McLean ended the year in a sound financial position which helped offset past accumulative deficits. The fund raising for the Mailman Psychobiological Research Center was 85 percent completed by the end of the year. McLean failed to obtain a certificate of need to construct the building which will replace 107 beds and house ancillary medical and other services. The hospital is restudying its needs and proceeding on a piecemeal basis to resolve the most critical inadequacies.

MAURICE LAZARUS
For the Trustees

Report of the General Director

It is an honor to submit the annual report for the year 1976, my fifth as General Director.

First, I would like to comment on three major endeavors covered in my 1975 report. Planning for the ambulatory care center has continued, but by year's end the MGH had not achieved determination of need approval to proceed with the project. At this writing, the public process continues its assessment of the application as described in the Trustees' Annual Report for 1976. Internally, work continues on the production of the requisite financial feasibility data to facilitate an informed decision about building the center subsequent to the securing of public approval. Mid-1977 is now the estimated date for conclusion of the public process and completion of the feasibility study phase of programming for the center.

The MGH's petition for charter amendment to allow degree-granting authority was favorably reported out by the distinguished Visiting Committee which addressed four areas of institutional adequacy: facilities, faculty, curriculum, and financing for the proposed programs. At year's end, the public review process continues, and a decision from the Board of Higher Education is anticipated in the first quarter of 1977. A favorable decision would allow implementation planning to begin shortly thereafter.

During 1976, the major reorganization phase for the administration has been completed. In January, Mr. William A. Waldron joined the hospital as General Counsel, and under his direction the legal services of our three staff counsel are now formally coordinated. In July, Dr. Roger A. Sweet assumed the complex role of Executive Director of the Bunker Hill Health Center. At year's end, Mr. Richard C. Daggett was selected to join us early in 1977 as Director of Human Resources. The foregoing appointments culminate the several years' process first described in the 1973 annual report of the Trustees and General Director.

In 1976, Drs. Arthur Herbst and Barry Arnason left the hospital to become Chairmen of Obstetrics and Gynecology, and Neurology respectively, at the University of Chicago. I regret to inform you also of the deaths of Dr. Henry K. Beecher, Dr. Edwin F. Cave, and Dr. Albert Burrage. All had given long and dedicated service to the hospital and distinguished it both by their presence and by their record of contributions to patient care, teaching, and research. They will be greatly missed.

A major accomplishment during 1976 was the approval of the revised By-Laws of the Professional Staff. In April, the clinical privilege system mandated by the new By-Laws took effect, thereby

delineating more clearly the role of the individual staff members.

Three joint MGH-Harvard Medical School **ad hoc** committees have continued to work throughout the year, seeking successors to the present Chiefs of the Children's, Neurosurgical, and Neurology Services. These committees are expected to present their nominations during the first half of 1977.

In May, floors 6 through 11 of the Gray Building, now named the Bigelow Tower, began to house patients as part of a four-phase planned move of the Medical Service from the Bulfinch Building. The Bulfinch Planning Group, chaired by Mr. DeLanson Y. Hopkins, and whose members represent the clinical as well as the administrative arms of the hospital, has conducted a space inventory of the Bulfinch Building and evaluated the potential of the Bulfinch to meet anticipated needs arising from other campus relocations programmed to occur during the next several years. The planning group's recommendations have been submitted. They will be reviewed and an implementation program drawn up during 1977.

The Operating Room-Recovery Room Project Planning and Management Group, also chaired by Mr. Hopkins, has continued to serve as a forum for planning and monitoring this project through its architectural and construction phases. Opening of the new facilities is scheduled sequentially for 1977 and 1978.

During 1976, the General Services Administration, via the Department of Health, Education and Welfare, awarded Building 82 on the grounds of the former Chelsea Naval Hospital to the MGH. Pending financial feasibility studies and the securing of a determination of need, we will plan to move our Chelsea Health Center from its currently overcrowded location on Bellingham Street to the new site.

In August, a new residency training program in obstetrics and gynecology was approved for implementation in 1977. This program will train two residents each year at the levels of second, third, and fourth year house officer training. Obstetric training requirements will be provided through affiliation agreements arranged by Dr. James Nelson, our new Chief of Gynecology.

In the fall of 1976, a pilot series of patient education programs was inaugurated over closed circuit television. A subcommittee of the Committee on Teaching and Education, chaired by Mr. Stephen Kauffman, Director of Administrative Services, has prepared and reviewed the programs shown during the initial phase of programming. The initial response of patient viewers has been quite favorable to this series, and planning continues for augmentation of this new educational service to our patients.

Throughout the Bicentennial year, the hospital continued to face increasing regulatory pressures at the federal, state, and local levels.

The MGH was accorded delegated status under the Bay State Professional Standards Review organization, enabling our utilization review activities to follow their present format in meeting federal requirements for PSRO activities. Cost control legislation was discussed in the Massachusetts legislature throughout the year and passed at year end. The major impact of the legislation will be felt in the forthcoming three years of implementation. A Joint Commission on Accreditation of Hospitals survey team visited the MGH in December and will file its report during the first half of 1977.

At the federal level, the Health Professions Education Assistance Act of 1976 began to impact teaching hospitals and medical schools through its restrictions on admittance of foreign medical graduates, its stringent rulings for capitation payment to medical schools, and its requirements for increased primary care training opportunities for graduates. A number of other pieces of federal legislation continue under discussion in Washington, among them a proposed Clinical Laboratory Improvement Act which would have a number of undersirable effects upon teaching as well as rural and community hospitals.

Looking ahead, 1977 appears to be another year of continuing negotiation in the public arena and an ongoing process of adjustment of the private, voluntary, nonprofit institution to a climate in which many of the decisions formerly held by management are now enmeshed in a process of public regulation and variegated accountability.

CHARLES A. SANDERS, M.D.
General Director

Report of the GEC 1976

In his report in 1969 on the Progress and Planning at the MGH, Dr. John Knowles reviewed the history of the GEC. The first meeting was held in 1912, at which time the committee consisted of six members. Although there were several reorganizations in the following decades, the committee remained small until 1966, when the committee essentially reached its present membership, which consists of the General Director, the Associate General Director, all Chiefs of Service, the Chiefs of Nursing and Social Services, the Chairman of the Committees on Research, Utilization Review and Teaching and Education, as well as three elected members of the staff.

At a meeting early in 1976 Dr. Guralnick led an extended discussion on the composition, responsibilities and effectiveness of the GEC. It was agreed that the present membership is preferable to that of the much smaller GEC of former years. There was also agreement that despite its name the committee functions not as an executive body, but rather principally as a medical advisory group for the Board of Trustees through the General Director. Several members commented on how effectively the GEC carries out its mission. There were, however, misgivings about its frequent discursiveness, the method of selection of items for the agenda, the lack of close liason with its standing committees and with key administrative committees, and its failure to deal more effectively with problems arising from external concerns about hospital costs and management. To help correct some of these deficiencies, it was agreed at a later meeting to have short verbal reports from chairmen of all standing committees of the GEC, to be given over a two year period. In addition, the three major administrative committees (Operations, Budget and Financial Planning) will report annually and the Ambulatory Care Coordinating Committee is to be heard from every four months

Periodic review of committee activities will help keep the GEC more closely informed of important problems, especially those related to patient care, and will make possible more precise definition of the charge to each committee. The GEC hopes that such review may lead to abolition of committees that have outlived their usefulness. However, to date, the list of committees continues to grow. In August two new committees were established—a Tissue Committee, designed to provide a mechanism for interservice review of surgical procedures, and a Clinical Assistant (Non-Physician) Committee for the purpose of assuring proper assignment and supervision of clinical responsibilities of non-physicians. These additions bring the number of standing committees of the GEC to twenty-five.

The following are the major items related to committee reports or activities in 1976. At the March 3, 1976 meeting the GEC accepted as hospital policy the guidelines of the Cardiopulmonary Resusication and Critical Care Committees for the care of critically ill patients. This report was later published in the New England Journal of Medicine. In his report as Chairman of the Emergency Overnight Ward Committee, Dr. Wilkins noted with concern that the percentage of admissions coming through the EW had risen to over 40%. Dr. George Baker reported later that the Utilization Review Committee had begun a study to determine what types of patients are being admitted through the EW. Dr. Goldfinger and Miss Gormley reviewed the Activities of the Quality Assessment Committee and reported on the results of four retrospective audits (of appendicitis, hip fractures, bacterial pneumonias and seizure disorders), which were concerned with items such as justification of diagnosis and management, adverse effects of therapy and outcome. It was clear that the audits had produced useful information concerning management. In view of the requirement of the Joint Commission on Accreditation of Hospitals that twelve audits be performed annually, the GEC endorsed the policy that the management audits would be primarily the responsibility of individual services, with guidance from the Quality Assessment Committee.

Dr. Austen reported on the Surgical Coordinating Committee and described its important functions in screening new staff appointments, in reviewing innovative surgical procedures and in coordinating the use of the operating and recovery rooms.

Throughout the year Mr. Martin kept the GEC informed concerning the problems related to malpractice insurance and near the end of the year was able to report that the newly formed company CRICO, founded by the Harvard affiliated hospitals, was functioning well and in sound financial health.

Since its beginning, the GEC has been charged with the review of all staff appointments, for recommendation to the Board of Trustees for approval. In recent years this has become a more exacting task because of the persistently high census, which has necessitated the curtailment of new appointments with admitting privleges. In 1976 the GEC also reviewed all reappointments made under the guidelines of the new By-laws of the Medical Staff, which require delineation of clinical privileges for each staff member, by agreement with the Chief of Service.

Among the most important issues discussed by the GEC in recent years have been those related to the high and rising cost of hospital care, which has led to pressure for more governmental regulation of hospital finances and management. In March 1976 the GEC held a day long retreat to seek answers to the following questions related to this

issue: What kind of patients and illnesses are treated at the MGH? Do we make the most efficient and appropriate use of our extensive technological resources? How can the staff continue to provide optimal care during a period when our institution faces increasing fiscal restraints and when the staff is expected to augment its teaching efforts? How can we be assured that patients will be treated in a humane and compassionate manner in this era of burgeoning technology? Although no final answers were provided, the meeting provided a background for further study of these complex questions. In this connection, Dr. Leaf reported later in the year on a grant from the Milbank Fund to establish an epidemiological unit whose goal is to gather data concerning the immediate and long term effectiveness of the various sophisticated and expensive therapeutic procedures employed in the intensive care units at the MGH.

After careful consideration of the issues involved, the GEC reaffirmed its policy against moonlighting activities by the house staff.

There were major MGH appointments and changes in membership of the GEC in 1976. Dr. Thomas Hackett, who had served as Acting Chief since the departure of Dr. Leon Eisenberg, was appointed Chief of Psychiatry at the MGH and Professor of Psychiatry at Harvard, effective April 1, 1976. Dr. James Nelson, who was named Chief of Gynecology at the MGH and Joe Vincent Meigs Professor of Gynecology, joined the GEC in July 1976. His predecesor, Dr. Howard Ulfelder, will remain as Deputy to the General Director for Cancer Affairs.

In July Dr. John D. Stoeckle replaced Dr. Edwin P. Maynard III, as the elected GEC member at large from Medicine.

The GEC noted with pride special distinction that had been conferred on two of its members: Miss MacDonald received an Honary Membership Award from the American Nurses Association and Dr. Austen became President-elect of the American Heart Association.

ROBERT T. McCLUSKEY, M.D.
Chairman, General Executive Committee

Report of the Committee on Research

The Committee on Research of the Massachusetts General Hospital has traditionally reflected the deep concern of the research community of our institution with scientific excellence. The close spirit of cooperation in pursuit of scholarly goals of excellence has led to consideration of essential aspects of policy, planning, and funding of research and scientific education and communication. This special role has been reflected over the past year in a number of activities of the Committee and of the staff of the Research Office, headed by Dr. Ronald W. Lamont-Havers as the Deputy to the General Director for Research Policy and Administration and Executive Secretary for the Committee on Research.

The scientific community of the MGH has been pleased and honored to have Dr. Lamont-Havers, formerly Deputy Director of the National Institutes of Health, succeed Dr. Ralph G. Meader, who retired during the year. Dr. Meader was warmly and appropriately honored for his dedicated, sensitive, and effective decade of service to the research community of this hospital at the research colloquium held on December 10, 1976, in association with the meeting of the Scientific Advisory Committee. As a result of the expanded role of the Research Office, plans are underway to increase the staffing and to reorganize the functions of the office. Dr. Edgar B. Taft has continued his broad responsibilities and important role in the Research Office. Dr. Meader has recently assumed a part-time position as special assistant to Mr. Lawrence E. Martin, Associate General Director, in order to help with issues relating to federally-sponsored research.

The 1976 annual meeting of the Scientific Advisory Committee at the MGH proved, in the view of all participants, to be highly successful as a most important review of major issues of scientific support, communication, and education. As part of the effort to increase the degree of communication amongst the ever enlarging staff of active scientists in the institution and to symbolize the concerns of the Committee on Research for the improved intra-institutional scientific communication as well as education of younger scientists, the annual meeting of the Scientific Advisory Committee began with the first annual MGH Research Symposium. An **ad hoc** subcommittee, chaired by Dr. Robert L. Trelstad, solicited the submission of abstracts from the MGH staff. From the 220 abstracts submitted, 16 papers were selected for presentation at a symposium held Thursday afternoon, December 9, and Friday morning, December 10. Members of the Scientific Advisory Committee joined the hospital staff in participation in the Symposium. The considerable success and wide interest in the first MGH Research

Symposium were reflected by the attendance of several hundred members of the hospital community during the course of the two-day Symposium.

The special issue considered by the Scientific Advisory Committee in 1976 was a proposal that developed from concerns of the members of the Committee on Research for the need to develop improved interdisciplinary training of younger scientists at the MGH and, thereby, interaction and communication in the research community. There was extensive discussion of a proposal to develop a formal curriculum of scientific instruction for the approximately 300 clinical and research fellows at the MGH. Solicitation by the members of the Special Task Force on Education of the Committee on Research, again ably chaired by Dr. Trelstad, led to the finding that many members of our scientific staff not only are superbly qualified, but quite eager to participate as faculty in this special teaching program. In addition, it was proposed that there be created the position of MGH Senior Research Scholar, a special training category to be activated in the later phases of the developing educational program. Scholars would be selected initially from amongst the postdoctoral fellows currently working at the MGH, and the proposed appointments would involve their being supported for three years of intensive scientific training.

A further activity to improve scientific communication was the initiation, under the stimulus of Dr. Jerome Gross, of the reception of live, televised biochemistry seminars from Harvard University and Harvard Medical School in the conference room on Jackson 7.

A special Task Force on Industrial Relations (chaired by the Chairman of the Committee on Research) was formed within the Committee on Research to review the general issue of more extensive and effective relations between the scientific staff of the MGH and interested industrial firms representing biomedical instrumentation, pharmaceutical, and other industries. A new patent policy for the MGH, distinct from, but patterned after, the policy recently adopted by Harvard University, was successfully developed after much discussion and officially approved by affirmative votes of the Committee on Research and of the Trustees of the MGH. It is believed that the approval of a patent policy will be an effective step in facilitating more active industrial relations by guaranteeing the appropriate proprietary rights of any industrial firm that collaborates with members of the MGH staff.

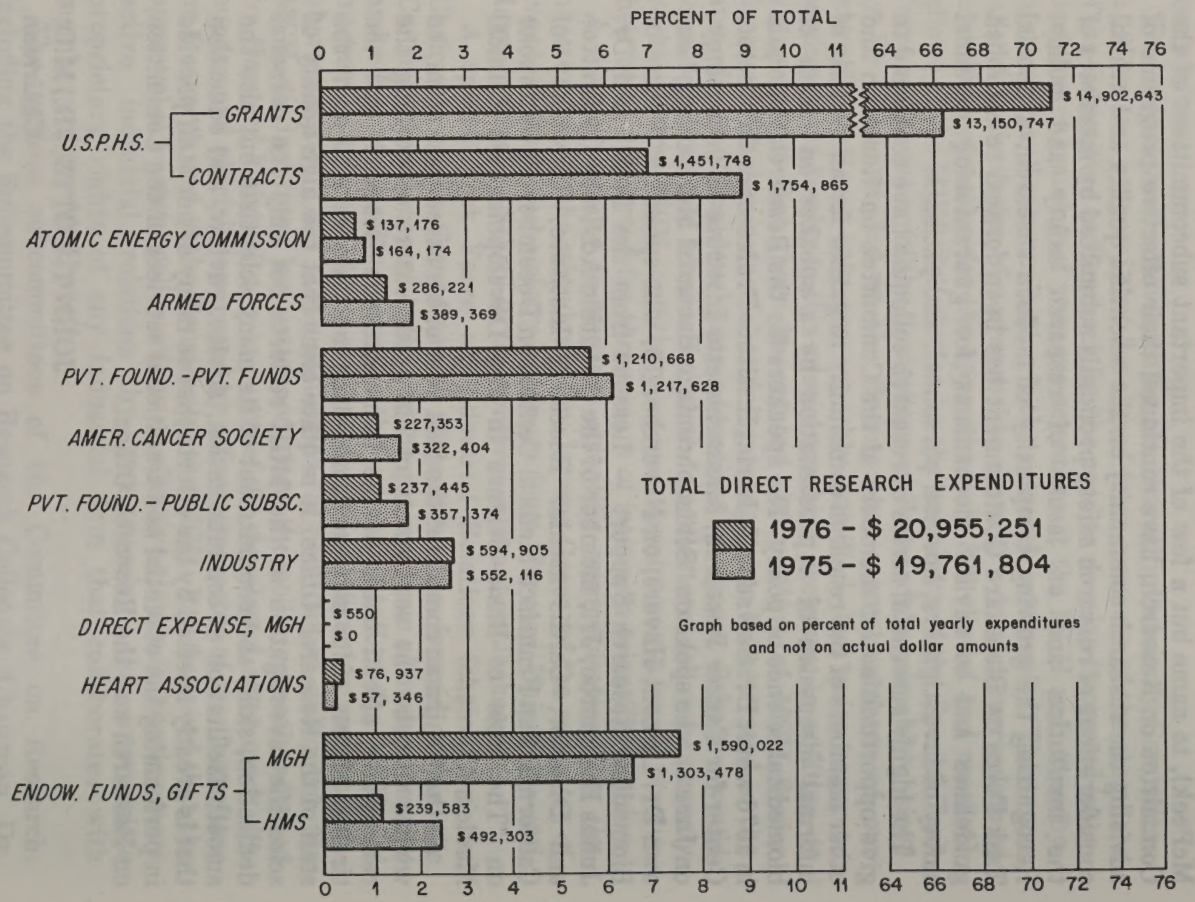
The various subcommittees of the Committee on Research, including the Subcommittee on Research Colloquia (Chairman, Dr. Paul S. Russell, the recently retired Chairman of the Committee on Research), the Subcommittee on Review of Research Proposals (Chairman, Dr. Harold F. Dvorak), the Subcommittee on Human Studies (Chairman, Dr. J. Gordon Scannell), the Subcommittee on

Research Planning and Policy (Chairman, Dr. Edgar Haber), and the Subcommittee on Research Safety (Chairman, Dr. Bucknam McPeek), to name but a few of the important subcommittees of the Committee on Research, have continued their effective programs of advising the research community on the scientific quality and ethical considerations of research safety proposals submitted by members of the institution and on issues of research safety and policy. Recognizing the growing complexity of modern research, a Special Task Force on Biohazard Containment has been formed to establish guidelines and to review mechanisms for guaranteeing personal safety of investigators, hospital personnel, and patients.

The highly successful series of research colloquia have continued to give opportunities for members of the Committee on Research and other members of the research community to gather for an evening of informal discussion of a presentation by a speaker on issues of biomedical science or policy. The speakers for the Research Colloquia in 1976 were: Dr. Salvador E. Luria, Institute Professor and Director, Center for Cancer Research, Massachusetts Institute of Technology, on June 8, who spoke on "Schizophrenia in Bacterial Metabolism;" our own Dr. Lamont-Havers, on November 18, who spoke on "Future of Biomedical Research Support — Lessons from the Past;" and Dr. Julius H. Comroe, Jr., member of the Scientific Advisory Committee and Director, Cardiovascular Research Institute, University of California, San Francisco Medical Center, on December 10 who spoke on "The Role of Basic Science in the Development of Clinical Medicine."

As the Chairman completes the first year of his three-year term, he wishes to echo the senitments of his predecessors concerning the remarkable effectiveness of the Committee on Research and the tireless efforts of its many subcommittee members as well as of the staff of the Research Office. It is quite clear that the high quality of scientific investigation at the MGH reflects not only the personal dedication, skill, and commitment of its many scientists but also the smooth facilitation of communication, advice, review, and education that is greatly abetted by the efforts that so many of our staff provide in performing the essential and traditional services of the Committee on Research and the Research Office.

JOHN T. POTTS, JR., M.D.
Chairman


PERCENT OF TOTAL
0 1 2 3 4 5 6 7 8 9 10 11 64 66 68 70 72 74 76
U.S.P.H.S.
GRANTS
$ 14,902,643
$ 13,150,747
CONTRACTS
$ 1,451,748
$ 1,754,865
ATOMIC ENERGY COMMISSION
$ 137,176
$ 164,174
ARMED FORCES
$ 286,221
$ 389,369
PVT. FOUND. -PVT. FUNDS
$ 1,210,668
$ 1,217,628
AMER. CANCER SOCIETY
$ 227,353
$ 322,404
PVT. FOUND. - PUBLIC SUBSC.
$ 237,445
$ 357,374
INDUSTRY
$ 594,905
$ 552,116
DIRECT EXPENSE, MGH
$ 550
$ 0
HEART ASSOCIATIONS
$ 76,937
$ 57,346
ENDOW. FUNDS, GIFTS
MGH
$ 1,590,022
$ 1,303,478
HMS
$ 239,583
$ 492,303
TOTAL DIRECT RESEARCH EXPENDITURES
1976 - $ 20,955,251
1975 - $ 19,761,804
Graph based on percent of total yearly expenditures and not on actual dollar amounts
0 1 2 3 4 5 6 7 8 9 10 11 64 66 68 70 72 74 76

Report of the Children's Service [Burnham Division for Children]

During the past year, the number of days of service rendered to Burnham Division inpatients has remained steady at close to the saturation mark. As has been true for some time, these patients were comprised almost exactly evenly of medical and surgical types. Survey of their discharge diagnoses indicates that we are seeing a very widely representative sample of all the commonplace and almost all the uncommon and highly challenging diseases of infancy, childhood, and adolescence. This gratifying situation is matched by signs that the Ambulatory Care Division of the Children's Service is continuing to grow and flourish in many ways. The Division encompasses the pediatric section on the Emergency Ward, Ambulatory Episodic Care facility, and a cohort of general plus subspecialty care modules in the MGH Ambulatory Care Building. The total number of units of service rendered to child patients by this division has increased from 40,750 in 1970-71 to 105,012 in 1975-76. In the past year alone, six of the subspecialty units (Allergy, Cardiology, Endocrinology, Hematology-Oncology and Pediatric Orthopedic-fracture) showed increases in patient visits of between 11 and 21 per cent. Meanwhile, the neurosurgical visits went up 58%, nephrology 210%, learning disabilities 260%, and gastroenterology 560%. In addition, the primary care generalist practice has expanded by one third.

In the past year, it has become necessary as a result of the increasing stringency of certification and licensure requirements to scrutinize in great detail our house officer training program with a view to making certain that every member of our resident staff is provided with opportunities to become familiar with all major facets of pediatric medicine irrespective of the timing of their rotation schedules. As a result, we will be inaugurating an almost totally revamped teaching-training program in the near future. Though this has involved a large expenditure of time and energy on the part of the staff at all levels, we believe that in the long run it will increase the effectiveness of this facet of our work while reducing the cost thereof in terms of person hours of teacher effort. It also can have the desirable by-product of providing senior staff with convenient opportunities to maintain competence in facets of pediatrics which lie outside their main fields of expertise.

Shortly after he took over as Chief of Radiology at the MGH, Dr. Taveras indicated that he planned to develop a pediatric diagnostic radiology unit in his department. This came to reality during the latter part of 1975 when through Dr. Taveras' efforts Dr. Spencer

Borden became the first fully trained Pediatric Radiologist to receive an appointment on the MGH staff. His numerous contributions to the Children's Service in respect to patient diagnosis, teaching, and training have been warmly welcomed and highly valued. We also are pleased to note that the Department of Radiation Medicine at the MGH is conducting a series of 10 Pediatric Oncology lectures in 1977. Both are illustrative of the breadth and depth of interest in pediatric matters represented in numerous other MGH departments and divisions. These explain to a significant degree how it has become possible for the Children's Service to become a full-fledged pediatric department in the setting of a large general hospital.

In closing, I would like to express my appreciation for the magnificent way in which various unit heads and their associates have carried the many important responsibilities assigned to them in the past year. To them belongs the lion's share for the continuing success which the Service has been experiencing in this necessarily transitional period.

NATHAN B. TALBOT, M.D.
Chief, Children's Service

Report of the Ambulatory Care Division

During the past year the Division has seen a continued expansion of the concept of teaching group practices encompassing both the former clinic practices and individual office practices of members of our staff. In departments in which there have been group practices established, there has been growth in the subspecialty units in pediatrics, medicine, and psychiatry.

The Department of Dermatology inplemented its group practices, which encompass the full range of the department's group activities including the photochemotherapy unit. The Oncology Associates, encompassing our four practicing medical oncologists, joined the Division in July, 1976, as did the remaining clinical activities in the recently opened Cox Center. The Department of Urology established its group practice in the fall of 1976. These changes have been accompanied by physical renovation to the spaces as well as increased concentration of senior staff in attendance and coverage made available to patients. The advent of these new activities and expansion of existing activities resulted in an increase in service to patients from 255,037 to 334,781 (this year, for the first time, the data includes emergency ward and social service visits).

This past year has also seen the merging of the Emergency Ward as a part of the Ambulatory Care Division to better coordinate the care of patients coming to the MGH and the training of physicians and nurses.

Nursing in the Ambulatory Care Division, under the direction of Miss Ruth Farrisey, has continued to develop auditing activities necessary in the department as well as courses to develop management capability of nursing leadership. The Nursing Department also continues to co-sponsor the Adult Nurse Practitioner course in conjunction with the Department of Continuing Education at Harvard Medical School.

The Division has continued to develop its teaching activities for nurses, dietitians, and social service students as well as medical students and house officers. The program in Primary Care has expanded to include teaching activities at the Bunker Hill Health Center and the Chelsea Health Center. Ambulatory Grand Rounds are offered weekly, covering a wide variety of topics in primary and ambulatory medicine.

Efforts in the coordination of research in the Ambualtory Care Division have culminated in the naming of a Director of Evaluation and Research, Dr. Margaret Olendzki, who joined the Division in April of 1977. Research in the division is concentrated on three major themes: (1) longitudinal research concerning clinical problems both in

the areas of disease prevention and chronic disease management; (2) better understanding of the patients we serve and the relationship between staff and patients and their impact on the outcome of care; and finally, (3) study of the organization and financing of ambulatory care.

Planning for the new Ambulatory Care Center has been slowed pending the outcome of an appeal of our Certificate of Need granted in April of 1976 by the Department of Public Health. However, during the year the Governance Proposal for the Center was completed and has been granted preliminary approval by the Trustees.

It has been an exciting year for the Division as it becomes both more identifiable and better integrated into the operations of the institution at large.

JEROME H. GROSSMAN, M.D.
Director, Ambulatory Care Division

Report of the Board of Managers of the Medical Clinics Complex

This brief report is in two parts, what has been done and, more important, what needs to be done.

What has been done. In 1976-77 the MCC (Medical Clinics Complex) has had several changes in its work, residency program, staff, undergraduate teaching, costs, and revenues. Patient visits to the various MCC units rose from 76,089 to 92,720 visits to physicians or nurse-practitioners, a rise largely due to increase in visits to the Internal Medical Associates (IMA), the Primary Care Unit (PCU), and the Medical Oncology Associates, a new group practice unit. All the staff has worked hard to maintain a high standard of personal care. At the beginning of its fourth year the training program in Primary Care Internal Medicine now consists of 10 house staff. The first two residents completing the program joined the MGH medical staff, Dr. Allan Gorall in the Internal Medicine Associates and Dr. Terrence O'Malley at the MGH-Chelsea Health Center. A recent study of this training program shows that residents can support themselves from clinical work in their ambulatory practice, the Primary Care Unit. Teaching and supervisory costs, however, continue to require outside support. The growing interest in primary care has led to larger numbers of students seeking clinical experience in ambulatory practices. Last year 130 medical students were enrolled in various course offerings available to students from first to fourth year. Due to a general effort to increase productivity the various group practice units maintained a better balance of revenues to meet costs than in any previous year.

What needs to be done. The group practices were developed to integrate "private" and "clinic" practices for a high standard of personal care. While this has been accomplished in the IMA and various medical specialty groups (Allergy, Oncology, Hypertension, Endocrinology, Diabetes), new integration efforts are needed in the near future, the integration of residency training into the ambulatory practices of the hospital staff. While this has taken place in inpatient work over the last twenty years, it has not occured within ambulatory practice. The new requirements of specialty boards in medicine necessitate longer periods of training in ambulatory practices. While special clinics for resident practice might be established, this would recreate the separate "clinic" and "private" practices of the past. The necessary and modern alternative is to integrate residency training into the ambulatory practice of the private staff.

Last year this objective was accomplished in two of the units of the IMA-PCU. In the future additional private practice groups will be needed for such integration, as the Medical Services proposes to gradually introduce a required six-week ambulatory rotation for all house staff. In 1978-79, all interns and assistant residents will spend six weeks on full-time assignment (with five to six sessions per week of direct patient care, including experience in a walk-in screening unit, plus subspecialty teaching sessions, ambulatory rounds, and supervision) as well as maintain their traditional one session per week follow-up of discharged patients. This means that the traditional house staff will spend approximately 50-65% more time rendering direct patient care in the ambulatory setting. As a result they will serve a more diverse patient population, learn more about ambulatory practice, and better maintain primary contact with patients admitted to the teaching service. Furthermore, on the basis of the documented experience within the Primary Care Unit, it is anticipated that the house staff can generate enough revenue from patient care within a practice to cover all operational expenses. In effect the housestaff can work in private practices without being an expense.

After joining the work of residents and staff, providing a teaching program in these practices is another matter. The beginning of such arrangements promises new relations between staff and trainees as colleagues outside as well as inside the hospital and better continuity of care for patients than is possible under the old organizational arrangement of "house staff" clinics.

JAMES DINEEN, M.D.
SHARON FOLLAYTTAR, R.N.
MARIAN JENNINGS
DONNA MUFFOLETTO
JOHN STOECKLE, M.D.
Board of Managers

Report of the Dermatology Service

There were major operational changes in the Dermatology Service in 1976 instigated by the move into a new physical facility on the 3rd floor of the outpatient building and the establishment of the Dermatology Associates as a "private" service. The management of each service as a fiscal entity might be said to exemplify the old New England maxim: "Every tub must stand upon its own bottom." For the first time in 70 years, the outpatient building has been completely redesigned, remodeled, and refurnished. A senior staff physician is present during all the 14 weekly sessions, and during each session he teaches medical students and medical residents who are taking Dermatology as an elective. Additional support is provided by two nurse practitioners who have been trained to carry out a number of diagnostic procedures and are taking increasing responsibility in the management of patients. All patients who come to the Emergency Ward during "clinic" hours are seen in Dermatology Associates, which provides immediate and improved care to the acutely ill patient.

The Dermatology Inpatient Service was temporarily moved from White 8 to Gray 6 in the spring of 1976, while White 8 was being renovated. The facilities on Gray 6 are a dramatic improvement - air conditioned, well lighted, and sound proof. It is anticipated that there will be increased interaction with the Medical Service, leading to a greater exchange of ideas, when the Dermatology Inpatient Service moves back to White 8, in the spring of 1977, where it will be contiguous to the Medical Service.

The calibre of residents attracted to the program continues to be high with many individuals who are certified in other specialties or trained in clinical or laboratory research.

The specialized clinic approach to malignant melanoma is carried on in the Pigmented Lesion Clinic which is a multi-disciplinary clinic attended by dermatologists (Drs. Fitzpatrick and Sober), a dermatopathologist (Dr. Mihm), and general surgeons (Drs. Raker, Malt, and Cosimi), all directed to the comprehensive care of patients with primary and metastatic melanoma. This clinic is held in the Cox Cancer Center and in the past year has had a remarkable growth; 247 new patients were evaluated, 50 of whom had intact primary malignant melanoma. There were 486 patient visits in 1976, representing an increase of 17% over 1975. The Pigmented Lesion Clinic is linked through the Melanoma Clinical Cooperative Group with similar units in Philadelphia, San Fransico, and New York, in a national study funded by the National Cancer Institute.

A specialized clinic for non-melanoma skin cancer (largely basal cell

and squamous cell carcinoma) is operated in the Cox Cancer Center, and Dr. Howard Baden is Director of this clinic. Forty or more patients are seen at each session and the clinic is a very popular teaching experience for house staff and medical students.

Another specialty clinic is the Genito-Infectious Disease Clinic established in 1973 and directed by Dr. Richard Johnson. This clinic has also been renovated and remodeled, and in 1976, 8,039 patients were seen.

The Dermatology Service shares with the Department of Pathology the responsibility for dermatopathology at the Massachusetts General Hospital. A new Dermatopathology Unit was established in 1976 under the direction of Dr. Martin C. Mihm, Jr., Associate Professor of Pathology and Dermatology. This unit not only examines all specimens, now numbering over 6,200 but also teaches dermatology and pathology residents. A Dermatopathology Residency Program has been established and approved by the American Medical Association, the first in the country to be so approved.

Research activities in the department include Dr. Howard Baden's unit which deals with differentiation of the epidermal cell and most particularly the composition and formation of structural proteins. The combined clinical and laboratory investigation of a number of genetic disorders of keratinization has led to a better understanding of the pathogenesis of certain of these, and the development of improved methods for the management of the ichthyosis. The basic research on the epidermis has also led to the development of a biochemical assay to recognize skin malignancies in cases when pathological diagnosis is equivocal. In the coming year a topical chemotherapeutic treatment study will be initiated as part of a national multicenter effort.

The exploration of the skin as a membrane continues under the direction of the veteran investigator, Dr. Irvin Blank and Dr. Robert Scheuplein. Dr. Scheuplein left the Massachusetts General Hospital at the end of 1976 to become Director of Dermal Toxicity for the F.D.A. Dr. Blank's research is aimed at the mechanism of the entry of drugs into the skin and employs the most sophisticated techniques to determine diffusion constants, partition coefficients, layer thicknesses, and rates of blood circulation.

A primary concern of the Pigmented Lesion Unit in the past few years has been the role of sunlight in the etiology of melanoma; in 1976, this group supplied the definitive information which led to the conclusion by the Committee on Stratospheric Impact of the National Academy of Sciences that the major burden of melanoma in the U.S.A. is related to sunlight exposure in susceptible persons. This unit has a contract with the Cancer Control Branch of the National Cancer Institute for professional and lay education in the identification of early melanoma.

The Photobiology Unit has continued to enlarge its areas of research. One fallout of this research has been the development of photochemotherapy (PUVA) (psoralens in combination with a high intensity long-wave ultraviolet light system developed by GTE Sylvania) now being used to treat 400 patients with psoriasis, mycosis fungoides, and eczema. The Photochemotherapy Unit, located in the Ambulatory Care Division, provides threatment 80 hours per week for both PUVA and for short wave UV light treatment. The research of the Photobiology Unit, under the direction of Dr. John Parrish and Dr. Mudhukar Patkak is primarily basic research on skin reactions to ultraviolet and visible and infrared radiation, using a multi-disciplinary approach by physicists, biochemists, and physician-investigators. During the past year, Drs. Fitzpatrick, Mosher, and Ortonne completed a comprehensive monograph on vitiligo which provides a baseline for future research.

The future of the Dermatology Service will depend, in large part, on the availability of more research space, sorely needed to ease the deleterious overcrowding that now exists.

THOMAS B. FITZPATRICK, M.D.
Chief of Service

Report of the Medical Services

Perhaps the most significant events of the year for the Medical Services have been anticipatory. While we had another very busy year reflecting the high average census of the hospital, much thought and concern have gone into planning for the imminent changes that the move of the Bulfinch Teaching Medical Service to the elegant new accommodations in the Bigelow Tower will entail.

In order to achieve the goal of a single standard of care in the hospital, the new Bigelow Service will be all private, and the single and double rooms make this possible in meeting standards of semiprivate care. In fact, the accommodations will be the most modern and nicest in the hospital, and the improvement from the old open wards of the Bulfinch Building will be striking. The challenge that confronts the Planning Committee, which has been developing the guidelines for the Bigelow Service, is to assure that the "magic" which has sustained a leading residency program moves with the Medical Services to the Bigelow Tower. Over the past year we have been rehearsing for the move by increasing the supervision and teaching role of the Visiting Physician. The Visiting Physician will be the identified private physician for all patients on his unit and has been complying in his involvement in the care of patients with the requirements of federal and third-party insurance carriers. So far this has resulted in better teaching and patient care contrary to the concern that it might interfere with the role of the House Staff in care of the patients and thus compromise their learning experience.

But there remain many problems that will need to be resolved when the actual move is made, presumably in the late spring of 1977. The outpatient facilities of our Medical Clinics complex are being prepared to provide appropriate posthospital care and follow-up for the patients from our Bigelow Service who may have their own physician to whom they can return.

Another issue that is being examined is the increase in intensive care on the Medical Services. The Bigelow Service will have an 18-bed unit with 8 beds assigned to coronary care and the remaining beds to other intensive-care needs. How we can staff and supervise this Unit so its facilities are optimally utilized in the best interests of the patients and with optimal teaching to House Staff and students is very much a subject of discussion.

It is generally accepted that the present balance of experience our House Staff receives in dividing its time between the Bulfinch Teaching Service and the Baker and Phillips House private service has been a strong point of our program. In the Baker and Phillips House the private physician manages the daily care of his/her

patients with assistance from the House Staff. The latter have the opportunity to work closely with the former and learn how a large staff of generalists and specialists deal with the medical problems of their individual patients. There is also a teaching visit, but s/he provides an educational embellishment without responsibilities for the management of the patients. By contrast, on the Bulfinch Service the Visit is the responsible physician and is very much involved in supervising the day-to-day care of the patients with the House Staff. Teaching has a direct pragmatic impact on care of the individual patient as well as providing a more general learning experience for the House Staff and students. This use of the teaching and private services has proven complementary, and it is imperative that its essence be preserved when the teaching service moves to the Bigelow Building. Thus it will be the aim not to have "Baker boarders" on the new Bigelow Teaching Service.

Technological advances have extended the capabilities of the physician to support patients through acute illness which in the past often would have proven fatal. Hemodialysis, cardiac pacing, respirators, and aortic balloon pumps are only a few examples. Technology has contributed to improving diagnostic capabilities as well. Cardiac catheterization, echocardiography, arterial angiography of virtually all organs, CAT scan, hormone assays, scintography with various radionuclides are a few such diagnostic developments. While on the one hand this technology has improved the potential for saving lives, it commits an enormously expensive resource in manpower and dollars contributing to the spiraling costs of medical care. Definition of the appropriate use and assessment of ultimate benefits of such technology lacks precision today, and there is a concern that indiscriminate application of this burgeoning technology may not only be wasteful of scare resources but also may not actually be in the best interests of good patient care. The Medical Services has been fortunate in receiving a 3-year grant from the Milbank Fund to support a study to evaluate the use of such technology in our Medical Intensive Care Unit.

The teaching functions of the Medical Services were placed under considerable strain when 64 HMS students in their second year were welcomed to the new Introduction to the Clinics course last spring. In the past this course had been taught as a block course for 2 months but it has been changed to three mornings a week throughout the spring term. This number of students with one instructor for each 3 students superimposed on the simultaneous teaching of the 3-month clinical clerkship taxed our patients and our teaching capabilities to near limits.

While we pride ourselves on the services we provide the 8,900 patients cared for on our inpatient Medical Services during the year,

our ambulatory patients grow in number and occupy an increasing time and effort of our staff. The figures released in one recent survey indicate how truly the MGH serves as a primary-care facility as well as a tertiary-care facility. Some 775,000 visits were made to all our ambulatory facilities in the past year. The newly created Internal Medicine Associates has continued to grow in response to this large volume of primary care. Specialty Clinics of the Medical Services have joined the IMA to provide ambulatory care and follow up. Thus the Oncology Associates and the Endocrine Associates have been created, and other speciality services are following this lead. These Associates combine the ambulatory private and service patients in a single setting, with fellows and residents participating and learning the skills of the care of ambulatory patients. These experiences complement those gained in the inpatient services of the hospital. This development has permitted the establishment of a Primary Care Unit in the Medical Clinics and a separate residency program in Primary Care. On June 30, 1976, the first two residents graduated from this pioneering training program after 3 years of training. They are Drs. Allan Goroll and Terry O'Malley, who deserve our thanks since they did much to fashion the Primary Care Residency Program through their commitment and interest in obtaining training in primary care. Both have joined our Staff, Allan as teacher in the Primary Care Unit and Terry practicing his newly acquired skills in our Chelsea Health Center.

The traditions of effective clinical care, teaching, and research lead us to look toward the challenges of the new Bigelow Medical Service with excitement and confidence; we expect to carry on the missions of the Medical Services in a better manner with the new facilities.

ALEXANDER LEAF, M.D.
Chief of the Medical Services

Report of the Neurosurgical Service

Last year's report of the Neurosurgical Service summarized our efforts of the last five and more years. I expected that would be my final report as Chief of the Service, but delays in recommending my successor have given me the privilege of almost another full year in this post.

The specialization and special assignments within the Service in the clinical, research, teaching, and public service areas described in the 1975 report continue almost unaltered. The only changes are in the consultants responsible for the nonsurgical appraisal and management of patients with chronic pain. Drs. Dietrich Blumer and Gerald Aronoff, psychiatrists, and Dr. Robert Jampel, psychologist, are now working closely with us for this purpose.

At this critical time in the relationships of the medical profession to the American public I think it proper to describe as I see them the problems which I am passing on to my successor. In the clinical realm the accelerating increases in costs of care, largely due to explosive rises in the number and costs of ancillary services, are especially grievous in diseases of the nervous system. I believe that unless these costs are controlled promptly by the profession the control will pass largely from our hands. We must undertake forthwith cost-benefit analyses of our various diagnostic tests over the whole range in which we use them in order to have a firmer factual basis for their selection. A point of lesser importance in terms of total costs of care but one which has come to rankle in the public mind is the question of truly unnecessary tests and forms of treatment. On the Neurosurgical Service of the Massachusetts General Hospital we have at present a very spotty system for monitoring the bases on which we neurosurgeons recommend various operations. One reason for this is that the common operations, the ones most likely to be overused, have not increased in frequency on this Service. Thus, in the five-year period 1971 through 1975, the number of operations we did for protruded lumbar intervertebral discs remained essentially constant, fluctuating from 97 to 103 a year. During this same period the number of operations in this general category paid for by Blue Shield and Medicare in the whole state of Massachusetts rose from 421 in 1971 to 811 in 1975. Dr. Mankin and I are seeking to initiate a joint study of disc surgery in this hospital, which we expect will not only help us to identify any shortcomings on our two services but also aid us and others to determine how a state-wide study might be made.

Another area over which the professional staff as a whole must recover some modicum of control is in the fees charged for each professional service, as prevailed here over a decade ago. Efforts both

locally and regionally to set up suggested relative value scales covering each type of surgical procedure have been ludicrously threatened by governmental inquiries which should have supported this activity. Such scales give the public as well as surgeons an idea of generally accepted fair fees and discourage the gross overcharges which may now occur. The problem in surgery, in contradistinction to that in the sales of commodities is that the public often has no idea as to what a reasonable fee is and has no good way to find out. Published relative value scales would help enlighten this ignorance.

On the MGH Surgical Services other than General Surgery the total professional fee remuneration per year per surgical specialist is currently on two grossly dissimilar bases. Those neurosurgeons who are undertaking the broadest range of clinical and scholarly activity are on the whole the ones who have followed the precedent set by the general surgeons and have agreed to an upper limit on their professional incomes. On the other hand, for those neurosurgeons who are concentrating more on building up large clinical practices with much less effort to find out how their own cases have fared over the long term, the sky is the limit in our present **modus operandi.** This anomalous situation must be rectified.

One year ago I thought the research program of the Service was in the hands of highly capable individuals who had secured adequate funding to enable them to do a good job. The latter half of this picture - namely, the funding of the research - has changed drastically for the worse for reasons which appear to me utterly unjustified. A major effort is required to recoup the firm footing on which our neurosurgical investigative enterprise was based. The need for improving by research the quality of the health care product we deliver is an especially serious one in diseases of the central nervous system, which is the least understood of the body systems but one of the most critical for effective body function.

Another task requiring attention is that of seeking to improve the value and flexibility of our residency training program by more cooperative interchanges with the other two training programs in the city, possibly even by some degree of amalgamation with them in the hopes of reducing the number of neurosurgeons we all have training. Any conclusions of the explorations now underway will be decided upon by my successor.

To him I turn over the role of Chief of the Neurosurgical Service with heartiest good wishes that he and our colleagues will build a Service vastly improved over the present one.

WILLIAM H. SWEET, M.D., D.Sc.
Chief of Service

Report of the Oral Surgical Service

1976 was a milestone year for the Oral Surgical Service. The first "graduate" of the five-year, double-degree residency program, John P. Kelly, D.M.D., M.D., completed his training. Although a number of others, who had been in the traditional three-year oral surgical residency, returned to HMS and the MGH general surgical service, Dr. Kelly was the first to enter and complete the program in its planned sequence. In July, he joined the staff as a clinical associate in oral surgery and spends the bulk of his time teaching at both the MGH and the Harvard School of Dental Medicine.

The Oral Surgical Service has continued to fulfill its primary objective of providing optimum patient care. Its outpatient and inpatient census has remained high. Better service and an improved fiscal situation exist in the outpatient clinic, due primarily to the imaginative management of Edward B. Seldin, D.M.D., M.D., who introduced a number of useful changes in scheduling and treatment planning.

One of the interesting facets of 1976 was the beginning of residency training by Charles Bertolami, D.D.S. Since 1971, the Harvard School of Dental Medicine has offered a postdoctoral Doctor of Medical Science program which combines training in a clinical specialty with fulfillment of requisite didactic and research requirements of the D.M.Sc. degree. Dr. Bertolami is the first candidate from that unique program to have gone into oral surgery. It is particularly pleasing to report that he is also the first recipient of an annual research fellowship awarded by the American Society of Oral Surgeons. Having completed his first year of residency, Dr. Bertolami is now able to carry on the two-year research portion of his doctoral program at the MGH in Dr. R. Bruce Donoff's laboratory in the Shriners Burns Institute. Dr. Donoff continues to work effectively in wound healing research with the group of scientists assembled by Dr. John Burke. Dr. Bertolami will spend 1977 and 1978 working with Dr. Donoff and then return to the oral surgical service to complete the final two years of his residency training.

Although patient care must be the first priority of a hospital service, education is almost a corollary of it. The best care is given by a teaching service that has a well-structured educational program for staff, residents, and students. It is in the vibrant atmosphere of such an environment that ultimate benefit redounds to patients and all their caretakers. The service has a number of regularly-held teaching sessions. On Wednesday afternoon, the "Chief's" clinic is held. It consists of patients seen in consultation for a wide variety of interesting oral and maxillofacial problems. This is followed, later in

the afternoon, by a seminar session which is held weekly and planned by the Chief Resident. The series ranges from lectures by outstanding people from the cardiology or infectious disease services, for instance, to a group of oral pathology seminars given by a faculty member from the Harvard School of Dental Medicine. Thursday morning begins with a service meeting during which complications and interesting cases from the previous week are reviewed, and is followed by surgical grand rounds. On Friday, as has been the custom for several years, the residents meet with a senior member of the radiology staff to review films of both current service patients and pertinent material from the radiology department's vast teaching collection. Following this, the residents join the Chief of the service to see patients with oral cancer in the Cox center. All of these sessions are in addition to the 7 a.m. daily service rounds, led by one of the residents and always accompanied by the staff visit of the month, as well as other visiting staff on many occasions. "Walking Rounds" are, obviously, important both as an educational experience and as a contribution to excellence in patient care.

The educational responsibility of the service extends to the students of the Harvard School of Dental Medicine as well as to its residents. All Harvard students spend a month's clerkship at the MGH. In addition, students from other schools, as well as residents from other hospitals, occasionally apply and are allowed to spend elective time on the service. To round out the educational program, a number of distinguished oral surgeons from the U.S. and abroad are invited to lecture at the MGH. Oral surgeons from the New England states are invited to attend these sessions, which have become an important part of the continuing education program of many practitioners.

Finally, the seven-year accreditation of the service took place in January, 1976. It is a measure of the status of a service in relation to its peer group, and it is gratifying to report that the Oral Surgical Service has been, once again, fully accredited.

WALTER C. GURALNICK, D.M.D.
Chief of Service

Report of the Orthopaedic Service

During 1976, the Orthopaedic Service has made significant strides in improvement of quality of patient care, education, and research. Without major changes in staffing or alteration in physical facilities, the unit nevertheless made efforts to advance in all of its areas of endeavor.

In patient care, the Orthopaedic Service has established a new unit, a Sports Medicine Clinic, which has as its principal objective the prevention, diagnosis, and management of injuries sustained during recreational activities. The unit is headed by Dineshkumar Patel, M.D., and Bertram Zarins, M.D., a new addition to the staff. Dr. Zarins took his training in orthopaedics in the Harvard Combined Program and after two years in the service in Guam returned to the hospital. He received an Edwin French Cave Travelling Fellowship and utilized the time to visit various sports medicine centers in order to develop skill in various aspects of knee surgery and rehabilitation of athletes.

The Sports Medicine Clinic directed by Drs. Patel and Zarins meets regularly on Thursday and since its inception has grown rapidly, now seeing an average of 15 patients per session. Other physicians are involved in the care of the patients, and Dr. Carter Rowe, long a prominent figure in sports medicine, serves as a principal consultant to the team.

The Bone and Soft Tissue Tumor Unit of the service has benefited considerably by the addition of Crawford J. Campbell, M.D. to the staff. Dr. Campbell, recently retired as Chairman of Orthopaedics at Albany Medical College, has joined the teaching staff at the Massachusetts General Hospital in a part-time capacity. Dr. Campbell is an authority on diagnosis and management of bone tumors and is contributing enormously in decision making and educational aspects of the problems presented by these difficult patients. In 1976, nine allograft replacements were performed to salvage limbs in patients with malignant bone tumors; this is the largest number of this experimental procedure done in any year at this institution. The program was recently publicized by an article describing early results which appeared in the **New England Journal of Medicine** in June of 1976, and patients are now seen from all over the United States for consideration for this procedure.

The Hip and Implant Unit of the Orthopaedic Service continues to make strides in its pursuit of newer ways to diagnose and prevent thromboembolism following major hip surgery, and Dr. William Harris, chief of that unit, received a Kappa Delta Award in 1976 from the American Academy of Orthopaedic Surgeons for his contributions to our knowledge in this important area. The work of the service has

been materially enhanced by the addition of a fellowship supported by the Peabody Foundation, which provides support for a person to study developmental abnormalities in pediatric disease which subsequently lead to adult osteoarthritis. Dr. Indong Oh served as the first recipient of the Peabody Fellowship and has performed studies along with Dr. Harris and his team attempting to establish the incidence in the general population which suggest some degree of abnormality in childhood which had been previously unrecognized and might lead to significant adult hip disease.

The Hand Unit of the Orthopaedic Service, under the direction of Dr. Richard J. Smith, continues to deal with common and unusual problems which affect the hand and has recently become interested in malignant tumors. A number of studies involving giant cell tumors of the hand have been contributed by this unit, and Dr. Smith has spoken extensively on the principles of management of malignant lesions in the hand and forearm. The unit has been involved in three replantations of severed extremities in 1976 and to date the results look very promising. The Upper Extremity Rehabilitation Unit, under the direction of Dr. Robert Leffert, offered a fellowship for the first time in 1976. The individual chosen was Dr. Avner Karev of Israel, a plastic surgeon who worked closely with Dr. Leffert in developing special skills in the diagnosis and treatment of upper extremity problems and more particularly, lesions of the brachial plexus. The Rehabilitation Unit, under the direction of Dr. Leffert, Dr. Barr, and Dr. Grabias, continues to deal with major problems of restoration of function to patients with spinal cord injury, amputation, multiple fractures, nuerologic disorders (especially strokes), and numerous other abnormalities. Their close association with the Massachusetts Rehabilitation Hospital has been an important aspect of the rehabilitation program at the Massachusetts General Hospital and the Orthopaedic Service at the MRH now represents approximately sixty beds.

The admissions in orthopaedics over 1976 increased somewhat with 3,669 total patients admitted, and of these approximately 90% came to surgery. The range of procedures performed by members of the Orthopaedic Service is wide, but complex problems including difficult joint replacements, extensive spine fusions, allograft replacements for massive resection of bone tumors, knee ligament reconstructions for athletes, surgical exploration and reconstruction for patients with injuries of the brachial plexus, replantation of severed limbs and reconstruction of severe fractures have increased in number in relation to the role of the Orthopaedic Service as a tertiary referral service for New England and indeed the entire United States.

Education continues as a strong activity of the Orthopaedic Service at the MGH. The residents and medical students rotating through the

Orthopaedic Service continue to receive the high quality exposure to the active teaching program of the orthopaedic unit. Eight conferences are presented weekly and range widely within the disciplines within the specialty. In 1976, 39 guests from outside the hospital were invited as speakers to grand rounds. An exciting aspect of the 1976 year was the first annual Robert Bayley Osgood Lectureship as a result of the generous donation by Dr. Osgood's daughter, Mrs. Ellen Jennings. The first speaker was Robert Patterson of New York, who traced the history of Dr. Osgood's contributions to orthopaedic surgery. This event will be an annual one and will be coupled with an alumni reunion. The Orthopaedic Service is indebted to Mrs. Jennings for her generosity in establishing what we hope will be an important educational focal point in the years to come.

Orthopaedic research has continued to expand throughout 1976 with considerable activity in a number of important areas. The research laboratories on the 10th floor of the Jackson Building are performing studies on the effect of electrical fields on fracture; the variation of bone mineral mass in a variety of disease states; pressure about the hip joint as measured by a telemetered hip prosthesis (in conjunction with MIT), metabolism of normal and pathologic articular cartilage; enzyme activity in the cartilage obtained from humans with a variety of joint diseases; effect of prostaglandins on articular cartilage; biochemical and metabolic characterization of chondrosarcomas; and the effect of joint transplantation on bone and articular cartilage. The house officers at the MGH as well as the staff continue to perform clinical research, and this year twelve projects were presented by the house officers as theses in fulfillment of their requirements for graduation from the orthopaedic program. Numerous additional studies were carried out in relation to trauma, neoplastic disease, pediatric orthopaedics, joint replacement, hand anatomy and surgery, and treatment of osteoarthritis of the knee.

The Orthopaedic Service continues to depend heavily on its busy members, and despite their small numbers in relation to other services, their activity in patient care, education, and research remains at a high level. The quality of these activities are the basis upon which the Orthopaedic Service continues to maintain its position as one of the leaders in the field.

HENRY J. MANKIN, M.D.
Chief of Service

Report of the Department of Pathology

In 1976 we continued to make progress in our program of expansion and renovation of the diagnostic and research facilities of the department. The application for a Certificate of Need to permit the renovation of the basement, first, second, and part of the third floors of the Warren Building was finally approved by the Council of the Commissioner of Public Health on November 9, 1976. We now expect reconstruction to begin in April 1977, with an anticipated completion date in late 1978. The present architect, Hugh Russell, Russell Architects, Inc., has developed plans for a schedule of events that will permit the renovation to proceed without interruptions of service and with minimal inconvenience to the continuing operation of the department. New laboratories for surgical and autopsy histology and for specialized histology will be first, along with new spaces for cytology and neuropathology and an enlarged conference area. Then the residents' laboratory will be enlarged and a number of much needed staff offices will be developed with improvements in secretarial areas.

The laboratories on the fifth floor of the Cox building were occupied in January 1976, providing much needed additional research space, as well as facilities for the diagnostic electronmicroscopic and immunofluorescence units. The animal facility on the eighth floor should be ready for use in February of 1977 and will house units mainly for pathology, but also for surgical and medical oncology. The floor was designed to make possible optimal maintenance of a variety of experimental animals, and includes facilities for animal surgery and irradiation. We are grateful to the Kresge Foundation for a generous gift that was used to support the construction of the laboratories on Cox 5 and 8.

In recognition of his leadership role in the planning and supervision of the Cox laboratories, in the training of residents and fellows in research, and in view of the preeminence of his research in the field of immunology, Dr. Harold Dvorak has been named Director of the Immunopathology Unit of the Department.

Several new staff members joined the department in 1976. Dr. G. Richard Dickersin was appointed as Associate Pathologist. Drs. David Gang, John Long, and Jaime Prat were appointed as Assistants in Pathology. Dr. Richard Van Praagh and Dr. Morris Karnovsky were named to the consultant staff. In large part because of these appointments, a number of programs were initiated or strengthened with the aim of improving our patient care, resident training, and research responsibilities.

A program of service and training in pediatric pathology was instituted under the direction of Drs. Ann Dvorak and David Gang. The participation of Dr. Van Praagh, a world renowned authority in the pathology of congenital heart disease, has added considerably to the program.

The electron microscopy unit implemented a program of diagnostic electron microscopy this year. This newly established service is under the direction of Dr. Ann Dvorak, who is assisted by Dr. G. Richard Dickersin and Dr. Robert Colvin. In the first full year of operation (10/1/75 to 9/30/76) the unit studied 190 cases, a number that does not reflect the present activity of the unit, since during that period a large amount of time was required for final planning, staffing, and equipping. The majority of specimens studied were kidney biopsies, bone marrow aspirates, or tumor biopsies of a wide variety. Scanning electron microscopy has recently been added to the unit.

Dr. Karnovsky, a leading experimental pathologist and cell biologist, serves as a consultant in the use of the electron microscope in the study of human and experimental diseases.

Continued advances were made in the dermatopathology unit, which is directed by Dr. Martin C. Mihm, Jr. The unit began a formal residency training program leading to eligibility for certification in the newly approved subspecialty of dermatopathology. The first trainees in the program are Dr. Antoinette Hood and Dr. Theodore Kwan.

Dr. John Long returned to the department as a staff pathologist in June 1976 after a tour at the Armed Forces Institute of Pathology. He has expanded and improved the diagnostic capabilities of the department in the area of malignant lymphomas through his expertise and through the introduction of new techniques, including studies of cell surface markers, which are carried in collaboration with Dr. Alan Aisenberg.

An on-line computer system for surgical pathology was developed by Dr. Stanley J. Robboy together with the Laboratory of Computer Science and began operation on May 17, 1976. The purposes of the system are to allow specimens to be accessioned at different areas without duplication, to monitor the state of completion of specimens, to permit instantaneous access to previous diagnoses, and to provide a reliable index of diagnoses that can be used for a variety of research problems.

The Pathology Unit at the Shriners Burns Institute under the direction of Dr. Robert L. Trelstad has established a service electron microscopy facility for selected orthopaedic, pulmonary, and cardiac biopsies from the MGH. In addition, a service facility for research electron microscopy has been initiated which will be available to investigators at both the SBI and the MGH.

The Pathology Departments of the MGH and MEEI (under the direction of Dr. Max Goodman) became more closely integrated through a new contract arrangement, under the terms of which virtually all aspects of surgical pathology service (excluding eye pathology) for the MEEI are carried out at the MGH.

In 1976 the number of specimens examined in surgical pathology increased from 24,239 to 26,060, and in cytology from 27,113 to 27,461. The number of autopsies declined from 718 in 1975 to 656 in 1976. We hope to be able to reverse this trend in the coming year.

The research activities of the department will be summarized in the annual MGH Research Report.

ROBERT T. McCLUSKEY, M.D.
Chief, Department of Pathology

Report of the Department of Psychiatry

In 1976 the Department of Psychiatry continued its commitment to clinical service, education, and research. It is our concern to provide maximum service to the hospital and community through rapid consultation, outpatient treatment, and inpatient transfer.

There were four major personnel changes this year. Dr. Thomas P. Hackett was confirmed as Chief of Service. Dr. Gerald Klerman became Director of the Stanley Cobb Laboratories for Psychiatric Research. Dr. Raquel Cohen accepted the position of Superintendent at the Erich Lindemann Mental Health Center. Dr. Aaron Lazare was appointed Deputy Chief of Service.

New Directions

In the past year the major innovations have been in the area of post-residency education.

(1) A fellowship in consultation psychiatry and psychosomatic medicine has begun under a special grant from the NIMH for post-residency training. Two fellows are currently working in the Respiratory ICU and the Speech Disorders Clinic. Dr. George Murray heads this project.

(2) The Committee on Postgraduate Education has organized and presented new courses in emergency psychiatry, death and grief, and common family practice problems, as well as continuing the comprehensive two-week course in general psychiatry. We are pleased to report that these courses have been heavily subscribed. All areas of the country have been represented. Dr. William Anderson heads this project.

(3) The Department has been most fortunate in obtaining the services of Mrs. Jane Holtz as the new business manager.

Clinical Services

(1) Inpatient services: Our two wards on Bulfinch 7 and at the Erich Lindemann Mental Health Center continue to function at maximum capacity. The ELMHC ward services the 172,000 people of the Harbor Area as the primary source of inpatient psychiatric care. The ward on Bulfinch handles diagnostic problems and transfers from other services. The need for expanded inpatient space continues.

(2) Consultation and Psychosomatic Services: This service provides for bedside consultation and followup for patients on the medical and surgical services. Approximately 2,400 consultation visits were performed in the general hospital and 300 through the private consultation service for the Baker and Phillips House divisions.

(3) Outpatient services: The General Psychiatry Practice and its

related sub-units continue toward the goal of providing a single high standard of care to all patients regardless of means. Resident training is facilitated by the close cooperation of senior and junior clinicians.

Research Activity

The Department of Psychiatry continues to be engaged in a wide variety of basic and clinical research projects.

(1) Basic Research: The research group headed by Dr. Seymour Kety is in the final stage of planning for a relocation of their laboratory at McLean Hospital. A search committee is actively seeking a successor to Dr. Kety as Chief of the Psychiatric Research Laboratories.

The Neurophysiology Laboratory on Warren 6 continues investigation of indoleamines in the visual system of the cat brain.

(2) Clinical Research: Several of the clinical units conduct research in the areas of their concentration. The outpatient department continues its study of the patient as consumer of health care. The acute psychiatric service is investigating the treatment of acute psychosis and the psychiatric presentation of medical illness.

The psychosomatic service is in its ninth year of the studies of stress in myocardial infarction. Project Omega continues the study of adaptation in cancer patients.

Teaching

The main thrust of our teaching effort remains in the area of residency training. Dr. Jonathan Borus has assumed the position of Director of Residency Training following the resignation of Dr. Ned Cassem from that post.

Residents in the primary care track of the medical service receive instruction in interviewing techniques, medical psychiatry, psychopharmacology and basic psychotherapy.

The training of medical students from Harvard and other universities remains an area of major interest. Dr. Frederick Guggenheim coordinates our efforts in the core clinical clerkship and subsequent electives. Dr. Aaron Lazare has begun a series of lectures to all medical students in the first year.

Training of psychology interns continues at the Erich Lindemann Mental Health Center and in the outpatient department under the direction of Dr. Gerald Borofsky.

The section on postgraduate education continues to provide general and special review courses for psychiatrists and physicians in related fields.

THOMAS P. HACKETT, M.D.
Chief, Department of Psychiatry

Report of the Department of Radiation Medicine

A major accomplishment for the year 1976 has been the substantial progress made in transfer of the activities of the Department of Radiation Medicine into the Cox Center. For the clinical program we are now treating patients on a full-time daily basis on 3 machines: the two Cobalt units (in operation at the time of last year's report) and the first 10 MeV linear accelerator (Clinic 18). This latter was fully commissioned and calibrated for clinical use for 10 MeV x-rays in March 1976. By November we began utilization of the electron mode, featuring electron beam energies in the range of 4 MeV to 18 MeV. In the spring of 1976, the second Clinac 18 and Clinac 35 were brought into the building. Preclinical physics analysis of beam characteristics was initiated in the autumn. Current estimate is that the second Clinac 18 will be introduced into clinical use in X and electron modes by April 1977. The Clinac 35 will be brought into clinical service by the fall of 1977. In November of 1976 the Picker Simulator was transferred from White 2 to Cox Ground. It has been serviced and brought up to date and is at this time in regular daily use. The Mold Room in the Cox Basement has been completed and is now essentially ready for clinical use. Plans for the new radioactive isotope laboratory in the Baker basement are complete, and we expect that that facility will be ready in 1977; this will provide sources for interstitial and intracavitary radiation therapy. The progress achieved in getting these machines installed and operating on a reliable basis has been due to the precise and careful planning and followed by exhausting work by the physics group.

An important new addition to the staff of the clinical group is Dr. Leonard Gunderson, who is now developing the radiation medicine aspect of the program in gastrointestinal ôncology. He brings to the group an important expertise in management of patients with gastrointestinal malignancies. This effort in GI oncology will be on a proper multidisciplinary basis.

Dr. C.C. Wang has developed a simple and convenient technique for interstitial therapy which features afterloading. This is based upon utilization of the readily available intracaths. This catheter is inserted into the tissues in an appropriate geometric array; in most instances, the distal end of the catheter exits the tissues. These exit parts of the catheter are fixed into position by crimping a small lead ring around the exit point of the catheter; thus, the catheter is mobilized into the tissue by the hub of the catheter at the entrance point and the lead ring at the exit point. Following this, the radioactive iridium is

inserted into the catheter such that the position of the radioactive Iridium^{192} corresponds to the area to be irradiated. Dr. Wang and several of the staff of the department have used this simple technique for improved interstitial procedures at anatomic sites in many regions of the body, viz. head and neck, neck, breast, chest wall, groin, and extremities.

The radiation biology research group has not yet moved into the Edwin L. Steele Laboratory of Radiation Biology on Cox 7. This is scheduled for the early spring. Dr. Leo Gerweck, Research Fellow, has completed several significant experiments which deal with the lethal response of mammalian cells **in vitro** to elevated temperature, and the dependence of that response of pH. He found that Chinese hamster cells (CHO) when incubated at 42°C exhibit rapidly progressing increase in sensitivity to heat as pH is decreased below 7.0. At pH of 6.6 - 6.7 the survival fraction following 4 hours at 42°C is -2 orders of magnitude less than would obtain for the same heat treatment, but at pH 7.4 these levels of pH (i.e., 6.6-6.7) do not affect survival of the CHO cells when incubated at 37°C. The details of this work have been described in two publications. Currently the problem of interest is the determination of the dependence of the thermal sensitivity of pH as a function of pO_2. This is stimulated by the intent to consider the use of hyperthermia is an antitumor agent. Anatomic and pathologic studies demonstrate that near the necrotic region of tumors there is an increased concentration of lactic acid, a decreased pH, and a very low pO_2. His findings indicate that this would be a greater sensitivity of the hypoxic cells near the necrotic region to the damaging effects of moderate level of hyperthermia, e.g. 41.5 or perhaps 42.0°C. Work already performed by Dr. Gerweck has shown that the thermal sensitivity at pH levels of 7.4 is not dependent upon pO_2. This is in marked and striking contrast to the response to x-irradiation where hypoxic cells are quite radiation resistant. The implication is that there is an advantage for hyperthermia over radiation. He is anxious to determine experimentally if the thermal sensitivity of the hypoxic but low pH cells near the necrotic regions may be even more sensitive than would be indicated by the work on hypoxic cells at normal pH.

A new high intensity radiation biophysics laboratory has been constructed, equipped and staffed on the sixth floor of the Cox Center. In this laboratory Dr. Edward Epp, Dr. C. Clifton Ling, and Dr. Howard Michaels will utilize high intensity pulsed radiation sources for exploring the nature of fast-time physical and chemical processes which occur in living cells immediately after radiation and which may be intimately related to the still unkown basic mechanisms of radiation action leading to cell death. Twin 600 keV electron accelerators, which exploit the field emission phenomenon, have been

installed for the purpose of pursuing these radiobiological and biophysical studies. Each machine is capable of delivering up to a million rads of radiation dose to a thin layer of cells in a single pulse whose time duration is 3 billionths of a second. This new technology will permit the use of the radiation as a probe into the nature and time scale of early critical events occurring in the cell immediately after radiation energy absorption. These studies are expected to yield important information bearing on the fundamental action of radiation on cells and on the still unknown mechanism of the oxygen effect important to the radiotherapy and the radiobiology of cancer.

HERMAN D. SUIT, M.D.
Chief of Radiation Medicine

Report of the Department of Radiology

The year 1976 has been one of consolidation and of continued progress towards our goal of creating the best possible Department of Radiology in our environment. Our efforts continue to be exerted in three main areas. The first has to do with the upgrading of the physical plant and equipment. The second area is that of improvement of radiologic services both to patients and referring physicians; and the third is that of staffing, which is intimately related to our teaching and research programs. Progress continues to be made in all areas, but as we interact with our environment it is inevitable that difficulties and delays will hamper our efforts and interfere with our timetable.

One of the areas concerns the expressed desire to limit hospital expenditures and the response to this desire by government, as exemplified by the Certificate of Need program of the State Department of Public Health. In an equipment-intensive area of medical practice such as Radiology, we are constantly struggling with the need to replace obsolete equipment, the cost of which goes beyond the lower limits imposed by the Determination of Need legislation. Undoubtedly, these limits have been set too low, considering the inflated costs of sophisticated electronic equipment, and the result is an immense loss of time by senior individuals on the staff in preparing applications for Determination of Need in order that we can maintain our program of replacement geared towards the improvement and maintenance of optimum radiological services. An application for Determination of Need has been filed with the Department of Public Health for the acquisition of a Computerized Tomography Total Body Scanner. While the CT scans of the body are not going to be as revolutionary in terms of medical diagnosis as the head CT scans have been to the diagnosis of brain lesions, all reports coming from various centers as well as from our own point to the fact that CT of the body will be an extremely valuable tool for the diagnosis of many conditions. Our experience has been obtained on a research unit installed under the auspices of a joint research project of the MGH with the EMI Company. This research contract fell outside of the Certificate of Need law, and in order for the hospital to establish this as a routine patient service, a Determmination of Need will be required.

Among some of the developments taking place in various sections of the Department a few are worth discussing. In the Gastrointestinal Radiology section, headed by Dr. Joseph Ferrucci, there has been a continued high level of activity related to research on the medical utility of total body CT Scanning. It appears to be very useful in the study of lesions of the pancreas, both to demonstrate all lesions and to

determine operability versus non-operability of malignant lesions. Other promising areas include the evaluation of lymphoproliferative disorders, particularly in the abdomen, the detection of retroperitoneal lymph node metastases, the evaluation of jaundice, the diagnosis of post-traumatic intraabdominal bleeding and of certain renal and adrenal lesions, in the study of some mediastinal problems, and in the determination of operability of malignant lung neoplasms. The introduction of Gray Scale Ultrasound has represented a considerable advance in the diagnosis of many intraabdominal conditions by yet another non-invasive method.

In the Neuroradiology section, now headed by Dr. Glenn Roberson, one of the important developments has been the increased use of therapeutic embolization procedures both to reduce the blood supply of certain very vascular tumors, in order to lessen blood loss and operative morbidity, and cut down the blood supply of arteriovenous malformations through embolization via intravascular navigation procedures with or without the use of magnetic guidance.

In the Chest Roentgenology section one of the developments worthy of mention consists in the improved handling of frequent Chest radiographs in the intensive care units through the use of specially constructed transparent frames that hold the new and the previous chest films, thus avoiding transportation of the films out of the units. Originally set up in the Gray 3A Intensive Care Units and Recovery Room, the frames worked well, and extension of the same approach to other Intensive Care Units in the hospital is now under consideration. Dr. Theresa McLoud, formerly from Yale Medical School, has been added to the staff of the Chest Radiology section as an associate to Dr. Reginald Greene.

In Nuclear Medicine, headed by Dr. Majic Potsaid, Dr. William Strauss, formerly from Johns Hopkins, has been added as a senior radiologist, specifically with the idea of developing cardiac scanning, his major area of interest, both in myocardial imaging and in physiological studies involving gated procedures. The imaging of the myocardium to determine myocardial perfusion with intravenously administered Thallium-201 promises to be an excellent diagnostic tool particularly if coupled with exercise tests.

An important area of activity within the Department of Radiology involves the rendering of Radiological services to outpatients, those coming from the various clinics as well as from the various practice groups and doctors' private offices. In view of the serious consideration being given to the establishment of an Ambulatory Care Center at the MGH, we are proceeding to organize the outpatient radiologic services with the aim of improving these services as well as facilitating the transition to the Ambulatory Care Center if this comes

to fruition. Dr. Majic Potsaid has been appointed as coordinator of Ambulatory Radiology Services. Dr. Rob Kirkpatrick, formerly from California, has been added as a senior Radiologist to the Ambulatory Care division.

One of our flourishing activities is that of Postgraduate Radiological education. Several hundred physicians from all over the country attend our postgraduate courses in Gastrointestinal Radiology, Genitourinary Radiology, Neuroradialogy, and Vascular Radiology. For the first time this year, a new type of Postgraduate course was organized by the Vascular Radiology section directed by Dr. Christos Athanasoulis, emphasizing the workshop approach to postgraduate education. In addition, the Department contributes to many other postgraduate courses given by the Neuroopthalmology division, the Departments of Surgery and Neurology.

In the undergraduate teaching area, a great portion of our efforts revolves around the one-month elective which last year was taken by 55 Harvard Medical School students and by a number of students from other medical schools.

In the research area, our efforts are concentrated in the development of instrumentation and medical applications of computerized tomography, in the application of short-lived isotopes for the study of cerebral circulation and metabolism as well as in the application of the same techniques to the study of physiological and pathological phenomena in the heart and lungs. The development of non-invasive diagnostic methods applicable to the brain and to other organ systems is an important goal which is being vigorously pursued by various members of the Department, particularly Dr. Robert Ackerman. These are detailed in the annual report of the Research Activities of the MGH.

I wish to express my heartfelt thanks to the Administration of the hospital, and particularly to Mr. Myle Holley, for their valuable assistance in the pursuit of our worthy goals and to the professional and clerical staff of the Department for their loyal support during the period covered by this report.

JUAN M. TAVERAS, M.D.
Radiologist-in-Chief

Report of the Surgical Services

In 1976 the goals of patient care, education, and research continued to be fulfilled and, indeed, expanded by the Surgical Services.

In the general surgical residency program, eight residents completed training, and 14 first-year appointments were made. Four of the new residents came from Harvard University, two from Duke University, and one each from Brown University, the College of Medicine and Dentistry of New Jersey, Washington University, the University of Chicago, Emory University, Johns Hopkins University, Tulane University, and the University of California. Two major educational changes were effected: (1) rotation in general thoracic surgery at the Mount Auburn Hospital for senior residents, and (2) assignment of a senior and a junior resident to the Pondville Hospital, where valuable experience in the management of major cancer problems is offered. The residency program continues under the excellent guidance of Dr. Leslie W. Ottinger.

The ward services have maintained a rather constant census over the last four years. To facilitate patient management, the two chief residents have been given junior visiting status. The wards remain the core of the teaching program and are an important factor in the continued excellence of our general surgical residency.

In the area of undergraduate education, "Introduction to Clinical Medicine," a combination of the previous "Physical Diagnosis" and "Introduction to the Clinic" courses, was given twice in 1976. Maintenance of communication between students and instructors by the coordinators, Drs. John M. Head and Chiu-an Wang, helped mold the course into an integrated experience leading from the basics of physical diagnosis to diagnostic techniques and management of disease. "Aseptic Technique," a course designed to teach students the fundamental principles of surgical technique, asepsis, and anesthesia, was conducted jointly by the Surgical Services, the Anesthesia Service, and the Nursing Service, with Dr. Chiu-an Wang, Dr. James T. Roberts, and Mrs. Alice Kaknes as coordinators. The "Core Clinical Clerkship in Surgery" continued to develop under the guidance of Dr. J. Gordon Scannell.

The number of operations increased, with the Transient O.R. handling many of the additional procedures. Of approximately 24,500 operations, almost 7,000 or nearly 30% were performed on a one-day basis. This increase from just under 15% three years ago represents a significant economy of hospital services and substantial reduction in patient-care costs.

Seven operating rooms being built in the Jackson Wing of the Gray O.R. will be completed in April 1977, after which the White Recovery Room will be enlarged to nearly double its present capacity. Enlargement will involve the sacrifice of three operating rooms, but when construction is completed, we will be able to realize fully the benefit of the additional operating suites and enlarged recovery room facilities.

Despite concern that abdominal surgery would vanish from university hospitals as the population of well-trained community surgeons increased, the reverse has happened. The burgeoning in the Division of Gastroenterological Surgery, directed by Dr. Ronald A. Malt, has been in the number of patients requiring diagnostic and therapeutic skills of many medical disciplines in addition to surgery. Heavily represented are patients with bleeding from sources difficult to identify and control, vascular and inflammatory bowel diseases, hepatic and pancreatic tumors, and tumors removable by endoscopy. In almost every instance clinical or laboratory research or both preceded the availability of new methods of treatment. Recovery from many of the newer operations is a direct result of the residents' continual attendance and of their skills in managing acute cardiorespiratory disturbances learned on other rotations within the Department, just as cardiac and thoracic patients benefit from skills acquired in gastroenterological surgery. Dr. Claude E. Welch was elected president of the American Surgical Association for 1976-1977.

The Cardiovascular Surgical Unit played an expanded role in determining the success of surgical intervention for acute myocardial ischemia. In cooperation with the MGH Cardiology Unit and other cardiology centers, patients were studied during acute ischemia and were operated on if appropriate. The results were enhanced by use of the circulatory assist device developed by Drs. Mortimer J. Buckley and W. Gerald Austen together with the AVCO Corporation. These studies seem to indicate that this is the safest way to treat these very ill patients. A second area of development was expansion of the thoracic residency training program. In cooperation with the General Thoracic Surgical Unit, a residency program in cardiothoracic surgery was established, and two residents are now qualified each year in cardiothoracic surgery. A third area of interest was laboratory investigation of better techniques to protect the ischemic myocardium and to evaluate left ventricular function; these studies were directed by Drs. M. Terry McEnany and Willard M. Daggett. In conjunction with the Transplantation Unit, techniques to make cardiac transplantation a more reasonable approach to end-stage cardiac disease were evaluated by Dr. Daggett and Dr. A. John Erdmann, III. Dr. Frederick H. Levine was appointed to the staff, and Dr. Eldred D. Mundth became Professor and Chairman of the Division of Cardiothoracic Surgery at the Hahnemann Medical College & Hospital of

Philadelphia. In November, Dr. W. Gerald Austen was elected president-elect of the American Heart Association.

Directed by Dr. Hermes C. Grillo, the General Thoracic Surgical Unit saw a steady increase in the number of its patients, relocation of its headquarters to Gray 5, and completion of tenure of the first chief resident in thoracic surgery. Several clinical research projects were started, some in collaboration with the Divisions of Oncology, Infectious Diseases, Radiology, and Pulmonary Medicine. Dr. J. Gordon Scannell was named president of the American Association for Thoracic Surgery for 1977.

Under the direction of Dr. John P. Remensnyder, the Plastic Surgical Unit grew in three important directions: (1) Cleft lip and palate surgery was strengthened by Dr. Michael B. Lewis, who became surgical director of the Cleft Palate Clinic and Plastic Service at the Tufts-New England Medical Center. MGH plastic surgical residents will rotate through this service to gain experience with both traditional lip and palate problems and major craniofacial deformities. (2) The Shriners Burns Institute Reconstructive Service was augmented by the participation of four additional staff surgeons. (3) Dr. James May joined the staff and is developing a laboratory for the study of free tissue transfer and for the training of surgeons from all specialties in microvascular techniques.

In the area of cancer treatment, a Chemo-Immunotherapy Clinic in Surgical Oncology was opened in the Cox Center, with protocols for treating colorectal cancer patients with chemotherapy and lung cancer patients with immunotherapy. Ward visitations were also begun, involving Drs. Alfred M. Cohen, John W. Raker, William P. Rogers, and William C. Wood. The Surgical Oncology Laboratories became fully operative, with $100,000 in equipment funded by NIH, the Department of Surgery, and General Research Grant Support. Drs. Cohen and Wood were appointed Co-Directors of Research in Surgical Oncology and were, with Dr. Thomas P. Stossel of the Department of Medicine, recipients of a $250,000 grant from the Massachusetts Division of the American Cancer Society to establish the Ira Nathanson and Joseph Aub Scholars. Their research involves establishment and characterization of tumor lines, studies of the human antibody directed against these cells, and isolation and purification of antigens on the tumor cell surface.

In the Transplantation Unit, led by Dr. Paul S. Russell, about 30 kidney transplants were performed, most from nonliving donors. The survival rate is now about 90%. The Transplantation-Immunology Unit, a seven-bed unit with three intensive care beds, was opened on Phillips 8 and centralized the care of transplantation patients. In addition, a fellowship training program for both clinical and experimental trainees recently received NIH funding.

The Vascular Surgical Noninvasive Laboratories, which were started by Dr. R. Clement Darling and Jeffrey K. Raines, Ph.D., are busier each year and have participated in the care of more than 10,000 patients. The laboratories are now directed by Dr. William M. Abbott and Dr. Raines, with valuable cooperation from Dr. Darling and Dr. David C. Brewster, who recently joined the Department. In 1976, collaboration between the basic science and clinical laboratories resulted in better methods to detect venous thrombotic disease and tests to diagnose cerebrovascular occlusive processes. Evaluation of laboratory data in patients with lower-extremity problems produced highly specific criteria for diagnosis of arterial disease in this location.

This past year, Dr. Gordon A. Donaldson assumed the presidency of the New England Surgical Society, and Dr. John F. Burke was named Helen Andrus Benedict Professor of Surgery, an endowed chair that will permanently reside in the Department of Surgery at the MGH.

I would like to express my gratitude to the Surgical Staff, the Surgical Resident Staff, the other services at the Massachusetts General Hospital, and the Administration for their cooperation and support throughout 1976.

W. GERALD AUSTEN, M.D.
Chief of the Surgical Services

Report of the Urological Service

In May of 1976 the long-awaited move of the "Baker Memorial" Urological Service from White 8 to the new 10th floor of the Bigelow Tower took place, along with relocation of the Urological Service administrative offices there. For the "Baker" patient, this has resulted in enhanced patient care and convenience. The new facility is superbly equipped and its location, contiguous to the private offices of three full-time Staff members, is ideal.

Patients of the Urological Associates' group are now located on Bigelow 9 and 6. This division of Urological patients was, in my view, impractical but necessary. We are assured that within the coming year the 10th floor of the White Building will have been renovated and refurbished for these patients.

Clinical Activities

Our census has remained high and our clinical activity unabated. We have been plagued by the problem of admissions — as is every Service — and the continual necessity of putting patients with serious Urological problems "on call" — sometimes for weeks. I believe that vigorous efforts are underway to solve this now-chronic problem, and it is our fervent desire to see this accomplished.

Residency Program

Our Residency program continues to attract men and women of very high quality. Each Resident spends a six-month period in the laboratory during his or her Fellowship under the aegis of the American Cancer Society, so that he or she may engage in basic research as well as participate in ongoing clinical oncological protocols that deal with prostatic and bladder carcinoma, under the auspices of the National Institutes of Health and major support from private sources.

Staffing

During the year we lost a most valuable individual to the University of Mississippi — Dr. Robert J. Irwin, Jr. He had been instrumental in assisting with the reorganization of the Clinic, the organization of the Urological Associates' group, and a prime motivator of a brand-new research activity, dealing with pyrimidine biosynthesis, in our laboratories on Research 2. We were fortunate enough to have Dr. S.C. Pastra-Landis join us mid-year to insure continuity in this project. Dr. T.W. Hensle joined the Visiting Staff following his Residency training on July 1, 1976; his major interest is in Pediatric Urology, and he will be with us until June 30, 1977, developing this interest with the cooperation of Dr. W. Hardy Hendren of the

Children's Service.

We are short-staffed in terms of Visiting Staff members, but our inability to comply with the demand for beds precludes unfortunately, the appointment of additional individuals with clinical interests. It is hoped this situation will improve as the admissions system evolves more efficiently.

Teaching

We continued to have the opportunity of teaching students from Harvard Medical School on the average of at least one each month, and three students from other medical shcools spent a month each observing and participating at the appropriate level in the care of our patients, under the supervision of the Visiting Staff and the Chief Resident.

Research

Our focus remains on prostatic and bladder carcinoma in both basic and clinical research. There were five active projects in the laboratories and ten clinical protocols, the major being those under National Bladder Cancer Collaborative Group A, now in its fourth year. Some of these studies employ cytotoxic agents in the management of patients with prostatic carcinoma, and protocols are being activated to treat metastatic bladder carcinoma with similar drugs, the long-range goal being to identify changes that may be used in an adjuvant setting.

Urological Associates

The Urological Associates' Group Practices has proved a success — mainly through the cooperation of our Visiting Staff. We are hopeful that our main problems — Staffing and admissions — may be solved in the coming year.

GEORGE R. PROUT, JR., M.D.
Chief of Service

Report of the John Collins Warren Laboratories of the Huntington Memorial Hospital of Harvard University at the MGH

Our laboratories occupy two floors of the Jackson Tower at the MGH. Both basic and clinical enterprises are being pursued, with the former predominating. In order to work in both molecular biology and viral oncology, we have been obliged to have a specially constructed animal facility to keep viruses, animal hosts, investigators, ventilation, and disposal facilities safely separated from contact with the general flow of hospial activities. Special viral hoods, use of gloves, and other precautions have also become necessary within segregated parts of the laboratories themselves.

Let me describe in brief some of our current research activities and our interplay with other investigators in the MGH-Harvard community. To begin with, we have lately been engaged in the difficult pursuit of beginning to determine the primary structure of the RNA of Oncoma viruses. The most convenient sources of such viruses are the Avian Myeloblastosis Virus, present in the nearly incredible concentration of 1×10^{11} virus particles per milliliter of infected chick plasma, and the Rous Sarcoma Virus, which may be grown expeditiously in tissue cultures of chick embryo cells. This investigation is interesting in its own right and also illustrates how Harvard laboratories can complement talents in a collaborative way.

Several years ago, Dr. Mary Stephenson and others of us found that the 3'-end of the genetic RNA of Avian Myeloblastosis Virus was terminated by a polyadenylic acid tail, similar to the situation found at the end of other messenger RNAs. This feature made it possible to use a specially constructed and suitably modified complementary oligodeoxythymidylic acid primer to bind to the polyA termination piece to make a DNA copy of this end of the viral genetic RNA, with the help of labeled deoxynucleoside triphosphates and the reverse transcriptase. In this way our colleagues Drs. Lee Weith and Dennis Schwartz have, in as yet unpublished experiments, determined the sequence of the first twenty-one nucleotides inside the polyA tail at the 3'-end of the Rous Sarcoma Virus. Simultaneously, Drs. Walter Gilbert and Allan Maxam of the biochemistry department of the faculty of arts and sciences and Dr. William Haseltine of the Sidney Farber Institute have determined the sequence just internal to the 5'-terminal cap of this same RNA, a distance of 10,000 nucleotide residues away from the 3'-end (also unpublished work). The nineteen to twenty-one nucleotide residues near both of these ends of the RNA are, astonishingly, identical. These spectacular concurrent findings

explain how the DNA that is synthesized by the viral reverse transcriptase in the infected cell can, as described below, form a circular intermediate, as recent electron microscopic studies have shown it to do.

That a circular intermediate is a logical step in the mechanism of integration of viral DNA into a host cell is established from studies of phage and bacteria. The explanation for the circular intermediate in the case of the oncogenic RNA virus is that nineteen to twenty-one deoxynucleotides synthesized in the early part of the copying at the 5'-end of the viral RNA are complementary to nineteen to twenty-one ribonucleotides present at the 3'-end of the same molecule. Through Watson-Crick pairing occurs the stickiness to form a mixed DNA-RNA circle, in this way allowing the reverse transcriptase to complete its job of copying the 3'-end plus the subsequent major portion of this genetic RNA molecule. A complementary copy of the newly synthesized DNA is next made, and this double stranded, circularized piece of DNA comprised of viral information is now inserted into the DNA of the host cell.

The new, as yet unpublished, DNA sequencing technique that Maxam and Gilbert have devised makes it possible to probe more deeply into the central part of the oncogenic virus RNAs than has heretofore been possible. It is known that within the first 2,000 nucleotide residues, beginning at the 3'-end of this oncogenic RNA molecule (designated "35S RNA") is located a region responsible for transformation of the host cell. Other parts of this RNA code for features of the virus itself, and are thus less exciting than this "sarc" or "onc" region. Within the next few years it may be predicted that despite the technical difficulties the nucleotide sequence of the sarc region will be determined, and a new level of understanding of the neoplastic process will be uncovered. Thus within the MGH-Harvard framework, for example, we look forward to a collaboration in which our laboratory will supply oncogenic viral RNA and specially tailored primers for the reverse transcriptase-copying procedure, while Gilbert and Maxam's laboratory will lead the way in sequencing the labeled complementary viral DNA formed in this **in vitro** copying system. Our colleague Dennis Schwartz plans to join Gilbert's laboratory next year, and we will thus maintain our close ties.

Let me express the view that it appears clear that environmental carcinogens are a major factor in the human disease. Nevertheless, the field of viral oncology provides exquisitely fine biological tools with which to probe the inner working of the cellular growth machine. It is also reasonable to consider that certain types of human malignancies will be shown to be of viral origin. Burkitt's Lymphoma, nasopharyngeal carcinoma, Hodgkin's disease, and the leukemias are prime suspects.

Our own private suspicions rest on the following basis. For some years Dr. Alan C. Aisenberg of these laboratories and the Lymphoma Clinic, Dr. John Long of pathology, and I have been studying the etiology of Hodgkin's disease. We have been able to grow tumor nodules from approximately thirty Hodgkin's spleens in tissue culture, and to make transplants into nude mice, with growth of these human cells to a lethal outcome in the mice. These cultured cells express an unusual antigen on their cell surface, which they also secrete into the tissue culture medium—an antigen thus far quite characteristic of Hodgkin's disease, either present in tiny amounts in non-Hodgkin's cultures or perhaps absent altogether. We have in addition identified both a virus of the Herpes family in a number of these Hodgkin's disease tissue cultures, and on occasion have found C type viruses after careful search by electron microscopy as well as by reverse transcriptase assay.

As in other research enterprises, by-products sometimes become main products. This is the lesson learned from a combined study involving Dr. Nancy Bucher of these laboratories and the gastrointestinal unit at the MGH. As a result of Dr. Bucher's investigations of the effect of glucagon and insulin on regeneration of the rat liver, an active collaboration with Drs. Jack Wands and Kurt Isselbacher has developed, in which it appears that these above two hormones have a strikingly beneficial effect on fulminant murine viral hepatitis. Studies are now under way to apply these concepts to the comparable human disease.

In cancer research within the next years, it will be necessary for investigators to understand and use the tools of virology, immunology, biochemistry, and molecular biology in order to add to present basic knowledge. All of these disciplines are present within the MGH-Harvard University framework. Whether they can be used effectively and in concert as needed remains to be seen.

PAUL C. ZAMECNIK, M.D.
Director

VINCENT MEMORIAL HOSPITAL TRUSTEES

Chairman of the Board, Charles F. Hovey
100 Federal St., Boston 02110

President, Miss Dorothy Rackemann
43 Linnaean Street, Cambridge 02138

Treasurer, George Lewis
28 State Street, Boston 02109

Assistant Treasurer, Mrs. Ezra F. Stevens
46 Mt. Vernon Street, Boston 02108

Clerk, Henry W. Minot, Jr.
28 State Street, Boston 02109

Mrs. Nelson W. Aldrich
Lewis Hamilton Clark
Mrs. William C. Cox
J. Brooks Fenno
Edwin T. Green
Henry R. Guild, Jr.
Mrs. James F. Hunnewell
William J. Mixter, Jr.
George Putnam
Mrs. William R. Robertson
Stokley P. Towles

The President of the Vincent Memorial Hospital, *ex officio*
The President of The Vincent Club, *ex officio*

BOARD OF MANAGERS

Mrs. Courtenay Crocker, *President*

Mrs. Sherman Morss, *Vice President*

Mrs. William R. Robertson, *Vice President*

Mrs. Ezra F. Stevens, *Treasurer*

Mrs. Edwin T. Green, *Recording Secretary*

Mrs. David Ames, *Corresponding Secretary*

Mrs. William S. Olney, *Chairman, Visiting Committee*

Miss Marian L. Minot, *Chairman, Nominating Committee*

Mrs. Howard Ulfelder, *Public Relations*

Miss Sally D. Hurlbut, *Chairman, Hospital Tours for Provisionals*

Mrs. Nelson W. Aldrich
Mrs. George F. Bemis
Mrs. William C. Cox
Mrs. Wm. Arthur Dupee
Mrs. David L. Ferguson
Mrs. Samuel Haydock
Mrs. James F. Hunnewell
Miss Sally D. Hurlbut
Mrs. Joe Vincent Meigs
Mrs. William J. Mixter
Mrs. Hamilton Osgood
Mrs. Henry McB. Parker
Mrs. C. Campbell Patterson
Miss Dorothy Rackemann
Miss Elizabeth Rackemann
Mrs. Karl Riemer
Mrs. John J. States
Mrs. Franklin Wyman, Jr.
Mrs. Michael F. Wynne-Willson

Mrs. Valentine Hollingsworth, *Honorary Member of the Board*
Mrs. Thomas H. Lanman, *Honorary Member of the Board*
Mrs. George Lewis, Sr., *Honorary Member of the Board*
Mrs. Augustus Thorndike, *Honorary Member of the Board*
The President of the Vincent Memorial Hospital, *ex officio*
The President of The Vincent Club, *ex officio*

VINCENT MEMORIAL HOSPITAL STAFF

Charles A. Sanders, M.D., *Director*
James H. Nelson Jr., M.D., *Chief of Staff*
Howard Ulfelder, M.D., *Consulting Visiting Gynecologist*

Ann B. Barnes, M.D.
Glenn E. Behringer, M.D.
Inese Z. Beitins, M.D.
Francis H. Boudreau, M.D.
David S. Chapin, M.D.
Thomas S. Durant, M.D.
Jaleh Bashir Farahmand, M.D.
Maurice Fremont-Smith, M.D.
Thomas H. Green Jr., M.D.
Ward I. Gregg, M.D.
John W. Grover, M.D.
Francis M. Ingersoll, M.D.
Rita M. Kelley, M.D.
Janet W. McArthur, M.D.
John Newell, M.D.
Najmosama Nikrui, M.D.
Langdon Parsons, M.D.
David C. Poskanzer, M.D.
George S. Richardson, M.D.
Stanley J. Robboy, M.D.
John Rock, M.D.
Milford D. Schulz, M.D.
Robert E. Scully, M.D.
Justin Smith, M.D.
Olive M. Soriero, M.D.
Bartlett H. Stone, M.D.
Herman D. Suit, M.D.
Benjamin Tenney, M.D.
Rodrigo Urcuyo, M.D.
Chiu-Chen Wang, M.D.
Richard J. Wurtman, M.D.
Leona Zacharias, M.D.

Research Fellows in the Vincent Hospital Laboratories
William F. Crowley, M.D.
David T. MacLaughlin, Ph.D.

Miss Gellestrina DiMaggio, R.N.,
Associate Director of Inpatient Nursing
Mrs. Joseph Stukas, R.N., *Nursing Supervisor*
Miss J.A. Newell, R.N., Miss R.A. Shanks, R.N. *Head Nurses*
Mrs. John Zagata, R.N., *Psychiatric Nurse Clinician*
Miss Elizabeth Davis, R.N., *Unit Teacher*
Miss Ruth Patterson, R.N., *Head Nurse, Gynecology Clinic*

Vincent Memorial Hospital Report of the Chief of Staff

This annual report on the Vincent Memorial Hospital represents an overlapping between myself and Dr. Howard Ulfelder. I wish to express my appreciation to Dr. Ulfelder, who continues to prop me up at every turn and answers every plea for help promptly and effectively.

The past year has seen a 25% increase in the outpatient load, as well as a significant increase in the proportion of gynecologic patients admitted to the Vincent Hospital. New color television sets have been installed in patient rooms. Telephones have been installed at each bedside throughout the Vincent Hospital. These improvements have raised patient and nurse morale noticeably. Several new educational programs have been embarked upon, but will take time to manifest their full effects. The programs include applications for the establishment of residency training in obstetrics and gynecology and application for establishment of a gynecologic oncology fellowship. The latter has been approved, and the fellow appointed, beginning July 1, 1977. The first official postresidency gynecologic oncology fellow will be Dr. Olive Soriero, an M.D.-Ph.D. graduate of the Downstate Medical Center, whose residency training in obstetrics and gynecology was received at the Columbia Presbyterian Medical Center in New York City. At this point, the survey of the residency training application has been completed, and we await, optimistically, the decision of the residency review committee of the American Medical Association.

In preparation for these educational programs, a weekly departmental conference was established in September for the purpose of education. The conference has been well attended by nursing personnel from all units as well as the medical students, house officers, and faculty. The first few months of conferences have been devoted to the research being conducted in the Vincent Laboratories. The objective is to bring the clinicians and researchers into closer contact so that the clinical materials obtained at surgery can be made available to the laboratory for study.

Upon my arrival, the Division of Gynecology and Obstetrics was divorced from the Department of Surgery and made an independent department. Two new full-time members were appointed on July 1, 1976. They are Dr. Nikrui and Dr. Urcuyo. Both are board-certified obstetricians and gynecologists, and both have had two years of post-residency gynecologic oncology training. In addition, Dr. Nikrui spent a third year of post-residency training in the Division of Chemotherapy at the Memorial Sloan Kettering Cancer Center in New York

City. Their presence full time, especially in the outpatient department but also on the floors of the Vincent Hospital, has improved the teaching afforded the house officers and medical students and has been an important factor in raising morale of the nursing staff throughout the department. An additional major change has been the formation of teams to provide teaching and patient care at various levels for nursing, medical students, and house officers. These teams include a senior member of the staff plus an endocrine Visit, a teaching Visit made up of the members of the staff of intermediate vintage, plus one of the junior members for heavy duty on the firing line.

The post-graduate course was again conducted by our staff in September and received critical praise by the physicians attending.

The research being conducted within the department continues to receive wide attention around the country in the fields of reproductive endocrinology and oncology.

The registry of clear cell adenocarcinoma patients moved with Dr. Arthur Herbst at the time of his departure to become Chairman of the Department of Obstetrics and Gynecology at the University of Chicago. Dr. Scully continues to conduct the pathology registry, and in addition Dr. Barnes and Dr. Robboy have continued the DESAD project, and scientific reports are now beirg generated by the latter project. It will afford long-term follow up of the young women exposed to stilbesterol during fetal life so as to learn the natural history of this problem.

Finally, I wish to express my appreciation to the medical staff, nursing, and administration for their patience and support during this early period of my tenure. I an indebted and grateful to the members of the Vincent Club for their kindnesses and solid support every step of the way.

JAMES H. NELSON, JR., M.D.
Chief of Staff

Vincent Memorial Hospital
Report of the Board of Managers

Looking back on 1975, the Board of Managers can observe a strong current of change and progress. The arrival of a new Chief of Staff was the most important event, but there are others that add up to another year of satisfaction as well as service, within our regular pattern.

The sixty members of the yearly Postgraduate Course in Gynecology were entertained at a morning coffee party in September.

In October, we welcomed Mrs. Franklin Wyman, Jr., Mrs. William J. Mixter, and Mrs. John H. Wise as new members of the Board.

In November, our annual coffee party for the hospital family took place and was well attended.

The new year found us listening to Dr. Janet W. McArthur, who gave us a most interesting talk concerning her gonadotropic research as it related to nutrition, fertility, and its control. She was followed in March by David T. MacLaughlin Ph.D., of the Vincent Laboratory, who spoke concerning steroid hormone action.

Resignations from the Board this year were accepted with regret, and much appreciation for many years of service, from Mrs. Ralph E. Thompson and Mrs. Robert W. Ladd. Mrs. George Lewis, Sr., a member of the Board since 1943 and its President from 1952-1964 was elected to honorary membership by unanimous vote. We welcome her to this position and look forward to seeing her, unencumbered by responsibility, at future meetings.

Hospital visiting continues to be of increasing value in bringing a personal touch to patients who, unfortunately, often feel dehumanized and disregarded by the inevitable complexity of modern medicine. If the members of this Board can continue to show a concern for patients, their contribution will not only help support the efforts of our dedicated nursing staff but will also go far beyond any material gifts we can provide.

As the mechanism of hospital administration becomes infinitely more complicated in the pursuit of progress, our services should become more simple, direct, and humane. Compassion is an inherent characteristic of most women. We hope to cultivate it further as we serve the hospital. We must adjust to change and adapt to progress without losing our perspective or our understanding of the needs of patients.

No report is complete without grateful acknowledgement of the support and encouragement of the Trustees. Other members of the

Vincent Club give many months and infinitely more hours to insure the yearly gift to the hospital. To them goes our greatest appreciation.

HELEN C. CROCKER
(MRS. COURTENAY CROCKER)
President, Board of Managers

Report of the Department of Nursing

Introduction

In her annual report, one of my associates proffered the thought that "if to be alive is to be involved in change, we have never been so alive in the history of the Department!" This observation, in my opinion, furnishes an apt description of our state of mind and activity in fiscal 1975-76.

We began the year with a collective recognition and acceptance of the "signs of the times" as regards the health-care system in the Commonwealth and in the country at large. Early on, we acknowledged the dilemma of the counterpolarization of two strong forces at play in the health-care arena - the demand for more and better health care for all segments of the population on the one hand and the regulatory imposition of economic constraints on the other - with long-established values, standards, rights, and ideals caught sometimes in the middle. Intellectually, if not emotionally, we accepted the concept that our future was no longer predicated on the "best we can offer" but rather on the "best we can afford." This change in our modus operandi has been felt most keenly and sometimes traumatically by the leadership and operational staff in the past year. The ever-burgeoning litanies of cost-effectiveness, cost-containment, measured productivity, and regulatory controls must be dealt with in the reality of a cultural environment in which the search for a meaning and quality of life, leisure time, and social involvement, and a dedication to consumerism, patient rights, the women's movement, nurse power, strikes, and unionism are espoused as legitimate causes of the present and future. To complicate our operation further, medical and technological research and advances have and promise to continue to provide without abatement new drugs, therapies, equipment, and monitoring marvels which in turn require more nursing and supportive personnel with special skills to implement their use. It seems important to point out that the most elaborate mechanized marvels can never replace the need for personal observation, interpretation, and care — a "sine qua non" of the nursing mission.

During the past year, we have struggled to keep our fingers on the pulse of the changing scene and to adapt our approaches to a realistic rapprochement with impinging forces in the private and public sector. In the remaining sections of this report, the limitation of space demands a selectivity of choice as regards the most pertinent trends, issues, and accomplishments reflective of fiscal 1975-76. However, as in previous annual reports, I am compelled to record for history our collective admiration for the leadership and operational nursing staff who truly demonstrate their unfaltering "care" for the people who

enter this institution through its many portals; who at times work under insurmountable obstacles; and who can demonstrate a teamwork and esprit de corps which defies replication. The resources in people, commitment, knowledge, skills, methods, and materials both in and available to the Department of Nursing make us the envy of many and the model of others - as exemplified by our selection in 1976 by one-hundred nursing leaders across the country as one of three nursing departments in which professional nursing was practiced. I salute each and every contributing member of our Department and our supporting colleagues on this accomplishment!

Nursing Service

We have continued to move ahead with our departmental reorganizational plans, reported in more detail in previous annual reports. In July, Dr. Patricia Regan, a nationally recognized clinician and educator, assumed the position of Chairman of the Neuromedical-surgical Nursing Service. In August, Sister Kateri, Chairman of the Intensive Care Nursing Service, assumed administrative responsibility for Warren-Baker 12, thus establishing an administrative link between the pre - and postoperative nursing care of the cardiac surgical patient. In October, Miss Miriam Huggard retired after forty-five years of service in the Phillips House. Mrs. Elizabeth Sheehy, an internationally recognized expert in Burn Nursing, was appointed Nurse Administrative Officer in the Phillips House, a new role which has much significance in our reorganizational blueprint and which will be highlighted in the next annual report.

Under the direct supervision of Ms. Farrisey, Associate Director of the Ambulatory Nursing Service, and in collaboration with Dr. Jerome Grossman, substantial progress has been made in adapting the ambulatory nursing service to the group practice model; in integrating the Emergency/Overnight Ward Nursing Service into the fabric of the Ambulatory Care Division; and in extending our outreach community effort with the addition of the Revere Health Center in June, 1976. The Adult Nurse Practitioner Program continues to remain a viable educational offering and we anticipate a site visit for accreditation by the American Nurses' Association in spring, 1977.

Our Quality Assurance Program was an important focus of attention during the year. In all aspects of our operation, emphasis has been placed on the components of professional nursing practice — assessment, planning, implementation, documentation, and evaluation of nursing care. Nursing practice committees have relentlessly pursued the articulation of philosophies, objectives, standards, process, and outcome criteria. On July 1, 1976, we were in full compliance with the JCAH requirements for retrospective audits.

The turnover rate for the Department increased by one per cent over the previous year. However, a unique phenomenon was noted in the intensive-care areas, where a sixteen-per-cent increase was observed. In August, an acute staffing crisis resulted in the closing of the Gray 3A Recovery Room, which we anticipate will reopen in November. There is some evidence to show that this disaffection on the part of nurses is a national, as opposed to local, phenomenon. In our own situation, we view it as a reflection of a growing sense of frustration with the increased pressure demanded by sicker patients, as well as the personal frustrations of staff with overtime, floating, off-shift rotations, and time schedules.

The latter-mentioned issues compelled us to approach the Administrative Officers for additional positions to permit us to allow a schedule which afforded every other weekend off, reportedly the standard in the other urban teaching hospitals. Our request was approved by the Board of Trustees in October, 1976, and at this writing we are deeply involved in a vigorous program of time-planning and recruitment.

Nursing Education

Dr. Cheryl Stetler assumed the position of Chairman of the Staff Education Department in August, 1976, and immediately embarked on an evaluation of departmental educational offerings. The Department was both productive and effective under the leadership of Acting Chairman, Miss Shirley Duggan. Thirty-one programs were submitted to the Massachusetts Nurses' Association during the year, all of which were approved for the award of continuing education units. This approval is crucial in view of the current legislative proposal which will make continuing education mandatory for relicensure. Over 1,100 registered nurses and 97 licensed practical nurses participated in these program offerings during the year.

Approximately five-hundred students of nursing completed a clinical practicum during the year, about sixty per cent of whom were enrolled in our two nursing educational programs.

Concluding Statement

We remain grateful to the Board of Trustees, the Administrative Officers, and our physician and other colleagues for their continuing interest and support.

MARY E. MACDONALD, R.N.
Director, Department of Nursing

Report of the School of Nursing

This brief report highlights approximately 30 annual reports of the administrative staff and chairmen of functional areas and standing committees of the faculty organization of the School of Nursing. The reports chronicle myriad goals achieved, adaptation and continuing problem areas, assessment of the quality of the program, and accountability to the School's constituents.

Long-range and contingency planning continued in relation to the hospital's petition for degree-granting authority. Matters concerning the projected curriculum, budget, and physical resources received further study and refinement. School staff also planned for and participated in the site visit in February of the committee appointed by the Board of Higher Education and the public hearing on the petition held in May, and continued to respond to countless inquiries from across the country about this unique and significant educational endeavor.

In 1976, 84 students graduated, and 86 women and 6 men of the incoming Senior class were capped or received a silver bar pin. Two well-attended Open House programs and Family Day were held.

Presently the School is one of 428 diploma programs which represent 31% of those programs in the United States preparing for registered nurse licensure. Diploma programs are exceeded in numbers by the 618 associate degree programs.

Just as there have been changes in the mix of nursing education programs, so has there been a change in the mix of students, to a great extent reflecting some trends in general education.

For the 130 spaces in the Freshman class, a limit set some years ago in recognition of the maximum number for whom we could provide the necessary resources, the School has been deluged with applications in the past several years, with a decline this current year. Recently published data reveal that we were not alone in the decline but that application rates have leveled off in law and the health professions schools in general. According to statistics from the National League for Nursing, declining rates of admission to both associate degree and diploma programs have not been offset by the slight increase in admissions to baccalaureate programs and "overall, a virtual zero growth rate seems the likely forcast for the next few years in nursing education both for the aggregate registered nurse and practical nurse program admissions." The future impact of declining applications, stability in withdrawal rates, the future closing of schools or limiting the number of admissions, and the projected decline in the post-secondary population has not been able to be accurately projected.

For the past two years our recruitment has been hampered by the uncertainty about whether another class would be admitted into the diploma program.

After the decision on November 20, 1975 to admit a class in September 1976, the spaces were filled from among 400 applications. The trend toward slightly older applicants continued with ages ranging from 17 to 33 years. The majority of our students have worked or volunteered in health-care settings. They express particular affinity for a nursing program conducted in close relationship with a health-care delivery agency with its rigorous clinical emphasis. Only 29 of the Freshmen entered directly from secondary school. The remainder included 16 who had attended college from 1 to 3 years, 19 college graduates, 5 from the armed forces, 2 licensed practical nurses, and others with a variety of work or post secondary school experiences. Sixty-one students qualified for certain course exemptions, demonstrating attainment of course objectives through prior learning. Eighteen states were represented in the class with two students originally from foreign countries, Norway and Jamaica. Two graduate nurses, one from Holland, the other from Iran, were also admitted to complete certain requirements for licensure examinations.

Over 400 college graduates requested information about our program, 150 of these specifically in relation to the degree-granting proposal, attesting to the continued high level of interest of such individuals in preparing for a nursing career and the dearth of programs designed for such applicants.

As costs have escalated, increasing attention has been devoted to our system of establishing charges. The number of students with interrupted or irregular programs necessitated refinement of registration and billing procedures and systems for maintaining rosters and records, for internal purposes as well as for timely and accurate reporting mechanisms to various agencies.

Tuition was again increased by $100 or 9%. In comparison with 1974-75, a decrease of $43,117 in financial assistance was awarded to 6% fewer students, or 3% of the total enrollment. In all, $135,806 was dispersed via the Financial Aid Committee and $79,840 via state scholarships, basic grants, and the guaranteed student loan program. In keeping with trends and Federal regulations, a notarized copy of parents' and/or student's income tax return was required of all aid applicants; the application form was redesigned to more accurately reflect need; and the refund policy was expanded to include room and fees along with tuition. A system to contract, in exceptional circumstances, for deferred payment of tuition and other charges within limited time periods was instituted.

Two new awards made possible by George E. Allen in memory of his wife Clarissa, an alumna of the School, were given; one a prize of $500 to a graduating Senior, the other a full tuition scholarship of $1,390 to a member of the Junior class.

Stability in staffing and relative ease in recruiting well-qualified applicants for a few vacancies greatly enhanced our operation. Faculty regularly engaged in formalized or continuing education and committees or activities of professional organizations, one serving as an accreditation visitor for the National League for Nursing, Department of Diploma Programs. The critical problem of very heavy peak loads for secretaries and lack of secretarial or clerical assistance for areas such as library, media center, health clinic, and financial aid office was addressed through reevaluation of work distribution and factors contributing to the unevenness of flow, and plans were formulated for redistribution and reassignment of functions.

Miss Yolanda Mamone was appointed Title IX Coordinator under the regulations for that portion of the Educational Amendments of 1972, and review and documentation of our compliance with the legislation was undertaken.

The appointment in July 1976 of an experienced adult nurse practitioner as Chairman of the Student Health Clinic will enable the offering of expanded and altered services and programs in keeping with the health needs of a changing student population, possibly lessen the number of referrals to other clinics, facilitate the physical examination process, and through shared time provide the practitioner the opportunity to develop and maintain skills and liaison in the Medical Screening Clinic.

Facilities were modestly altered. A former classroom became the expanded site for the growing instructional resource center, resulting in tighter booking for classrooms. The redesigned work and circulation desk space in Palmer-Davis Library relieved cramped and crowded quarters. New chalkboards and the location of overhead projectors were welcomed in Ruth Sleeper Hall classrooms. White Building renovations led to the loss and relocation of several of our offices. More commuting students and meticulous planning made possible the consolidation into two residences, Bartlett Hall and 20 Charles Street, all of the resident students, thus freeing up some space in Walcott House for other purposes.

We are grateful to the Advisory Council of the School of Nursing, the administration, and many agencies and departments that have helped to make this a productive year for both the educational and support services of the School. I am particularly thankful for the rallying power of the staff who, despite concerns about the uncertainty of the future of the diploma program, continue to address themselves to planning and program improvement in a manner

"consistent with pride in academic excellence and eagerness for professional growth," as aptly stated by one of our staff in her annual report.

NATALIE PETZOLD, R.N.
Director of the School of Nursing

Report of the Advisory Council of the MGH School of Nursing

During the academic year 1975-1976, the Advisory Council of the Massachusetts General Hospital School of Nursing held six regularly scheduled meetings. At its initial meeting, held on September 23, 1975, the first order of business, as usual, was the cordial welcoming by both the Chairman and the Director of the new members of the Council: Mrs. Elizabeth Sheehy and Miss Susan Lindley Fisher, both Alumnae Representatives, Miss Helen Belcher, and Miss Alice Dempsey. At the same meeting Miss Natalie Petzold, Director, School of Nursing, distributed to the members copies of her Annual Report, Bylaws, and the 1975-1976 Calendar of Activities. Mr. Richard Olsen, our first speaker, who is the Director, Office of Educational Planning, brought the Council up-to-date on the efforts of the MGH to amend its charter so that it will have the authority to award collegiate degrees. In order to accomplish this, he added, a petition had been filed with the Board of Higher Education of the Commonwealth. Mr. Olsen graciously promised to attend our future meetings and to keep us abreast of all developments. The next speaker at our opening meeting was Miss Yolanda Mamone, Coordinator, Student Personnel Services, and she noted that a survey of the incoming class indicates a significant increase in the numbers of commuting students, college graduates, and other students with some post-secondary school experience. In her traditional talk, Miss Lillian Kiely, Admissions Officer, informed us that of the 132 candidates who had made the commitment to enter, only 128 actually enrolled on September 7, 1975.

As promised, Mr. Olsen attended our February meeting and gave a most encouraging report of progress on the MGH petition to be granted the authority to award collegiate degrees in the field of nursing education. In the very near future the Nursing School would be visited by an evaluating committee of the Massachusetts Board of Collegiate Authority. After this committee's report is presented to the full Board, it is hoped that an affirmative vote will be taken on this matter in the near future.

The Annual Meeting of the Advisory Council and the Faculty of the School of Nursing was held on Tuesday, March, 23, 1976 at 11:00 a.m. in Walcott House Living Room. Sixty members of the faculty were in attendance. As usual, the program featured a most distinguished speaker. This year we had the good fortune to hear Dr. Carrie Baird Lenburg, Coordinator, New York Regents External Degree Program in Nursing, University of the State of New York. She delivered a most

informative talk on this innovative program in nursing education during which she explained in detail how it might substantially affect the traditional programs in nursing education, diploma and collegiate alike. The speaker stressed that the key to this new plan is emphasis on the learner. It is definitely his/her responsibility to acquire the necessary knowledge. To emphasize how successful this aborning program has been she cited the fact that 94% of the first group of candidates and 97% of the second group had been awarded degrees.

The chairman would indeed be remiss if he failed to thank Miss Petzold and all the members of the Council for their help, support, and encouragement throughout the entire year and particularly if he did not single out for special praise and thanks Miss Marguerite Ryan, our most efficient Secretary, who produced the minutes of our meetings which, in all phases, were models of perfection.

MAURICE J. DOWNEY
Chairman

Report of the Social Service Department

This year has been marked by tightened governmental constraints which adversely affect both the hospital's ability to provide care to those who need it and the right of the hospital to collect for services appropriately provided.

The Department of Human Services of the Commonwealth has determined that the high cost of long-term care for the elderly in institutions such as nursing homes (48% of Medicaid dollars in Massachusetts) should be reduced. In order to accomplish this, Human Services representatives have placed a moratorium on all Certificate of Need applications for proposed long-term care beds. Discussion with these representatives communicates a policy which will contain the following components. The moratorium on the building of additional long-term care beds will be continued. Nursing homes, hospitals, and families will be encouraged to return patients to the community. This stance, of course, has great popular appeal. It fails, however, to reflect realistic planning for adequate knowledge of the population of elderly ill persons who are jeopardized. First, patients who are in long-term care facilities, whether inappropriately placed there or not, are on the average 81 years of age, and the vast majority (70-80%) have no family member in Massachusetts. They have, on the average, been in the long-term care facility for more than seven months and 89% of them have their care paid for by SSI and Medicaid. This means that the patient has less than $1,500 in resources and receives only $30 per month for personal expenses. Since the SSI system requires a minimum of 45 days to change from paying for long-term care to issuing the first full check to the patient for living expenses outside an institution, there is no realistic way from the financial viewpoint alone, that such a patient can rent a room and buy food in order to move out of a nursing home.

While indeed hospitals should make every effort to return patients to their homes and avoid needless long-term institutionalization, this goal is not always achievable. This hospital makes use of transfer to long-term care only as a last resort. More than 40% of patients referred to social service for nursing home care are returned to their homes with the aid of home care programs. Every effort has been made to maximize the use of home care, but for some patients (180-200 per month) discharge to home is not possible. Approximately 50% of these patients have no family member in Massachusetts, and many communities outside Boston have inadequate home-care resources. No more day-care programs are to be funded, transpor-

tation of patients is a continual major problem, reimbursement of home health aids is continually restricted by more stringent regulations, and reimbursement to visiting nursing organizations is very limited. No nursing or home health services are available in any community during evenings and nights.

Thus the dream of the Human Services Department is fraught with major problems, and the hospital is faced with a shrinking base of resources in long-term care. Not only will no more nursing home beds be allowed but the supply will shrink as Federal life safety codes will cause the closing of an estimated 7,000 beds. We now search for an appropriate resource for a patient in the face of an effective rate of occupancy in nursing homes of nearly 98%.

Finally, the Department of Public Welfare, in an effort to save money, issued regulations denying payment to hospitals for "Administratively Necessary Days." This phrase is defined as those days a patient remains in an acute hospital when a lesser care facility could provide the care. Payment is denied the hospital despite the fact we are continuing to provide care, often extensive care, and regardless of the fact that we can fully document an extensive search for a bed in a lesser care facility. For example, the hospital was recently denied payment for 10 days of the admission of an elderly, disoriented, senile lady admitted with a fracture and cardiac disease, with no family, and despite our repeated attempts (44 nursing homes) to locate an appropriate bed in a nursing home.

The foregoing leads to an increasing sense of frustration as we struggle to discharge patients in order to make room for patients waiting for acute medical care.

This past year the Social Service Department provided services to nearly 3,000 more patients than in the preceding period. A total of 30,162 patients received brief or extensive services. The average active caseload was 4,767 persons each month. Inpatients received 72% of the services. The other 28%, representing 44,735 encounters, occurred with patients in ambulatory care. Twenty three hundred patients were placed in long-term care facilities (428 from ambulatory care); 4,414 were referred to some type of home care (1,594 from ambulatory care). The number of patients requiring concrete assistance in the form of the direct provision of a service such as transportation, financial assistance with medications, homemaker, nursing home payment, etc. increased by 40% over the previous year, for a total of 14,699 patients. A total of $170,472 was expended. Of this, $90,912 was contributed by the Edward Bird Trust, $54,545 recovered from third-party payers, and $25,014 expended from Social Service Trust Funds earmarked for these purposes or contributed by generous friends of the hospital. This increase in both the number of

patients and total amount expended is at least in part a result of the action of the Commonwealth more than a year ago in disallowing Medicaid benefits to General Relief recipients. We are indebted to the following individuals and groups for their generous help to patients during the past year.

Lend-a-Hand Society
Lotta M. Crabtree Trust
Dorothy Boardman
Shaw Fund for Mariner's Children
John W. Boynton Fund
Edith S. and Francis B. Fisher Mem. Fund
Cushman Cancer Fund
Dr. John C. and Melba Coolidge
Ladies Visiting Committee
American Cancer Society
Edward Bird Trust
MGH I.V. Nurses
Whitehouse-Foster Memorial
Ethel Walcott Chase Fund
Elsie M. Robbins Fund
Mrs. Alice Morrish
Rev. Mark S. Anschutz, St. Luke's Church
Friends & Family in memory of Mary Mitchell
Family in memory of James Stewart

The Department has continued to participate in the education of candidates for the Masters Degree in Social Work at Boston College, Simmons, and Smith College. A total of 22 students received their practicum experience between September 1975 and June 1976.

ELEANOR CLARK
Director, Social Service Department

Report of the MGH-Bunker Hill Health Center

The Bunker Hill Health Center of the Massachusetts General Hospital has been in operation since it officially opened its door in 1968. The Center continues to offer a wide range of services to the Charlestown population as well as to contiguous communities. The emphasis of the health-care services at the Center are very much oriented towards prevention and health maintenance.

The Community Mental Health/Social Service unit in 1976 had 12,048 visits by approximately 1,200 patients. About 70% of these visits were for child-related problems. The preventively oriented programs offered included an expanded therapeutic camping program for children at risk of becoming delinquent and a core evaluation program under Chapter 766. The unit is also collaborating with other services to develop an innovative parenting program designed to increase our effectiveness in treating physical and emotional problems of pregnancy and infancy. Dr. Alan Jacobson will continue the creative leadership of Dr. Barbara Burns, who resigned as head of this unit in September, 1976.

The Pediatric Unit, including its physicians and nurse practitioners, saw 10,422 visits during 1976. The Pediatric Unit during this past year has continued its commitment to school health, but because of the busing of school children in Boston, has had to shift the locus for most school examinations back to the schools. Almost one half of the children served now in the school health program come from other communities than Charlestown. In the past, the school health program served only Charlestown children. The Pediatric program continues to expand and to innovate, and it looks with justified pride upon its accomplishments in screening and immunizations. Under the leadership of Dr. Catherine Beyer, appointed as Unit Chief at BHHC in September 1976, the pediatric effort will continue to promote case finding, prevention, and the assessment of growth and development as well as to maintain a high level of pediatric health care.

The nursing service at BHHC has been stable with very low staff turnover. The nurses are assigned to Obs/Gyn, mental health, pediatrics, adult medicine, and school health, and are supported from a variety of sources including the MGH (3), Department of Health and Hospitals (3), and Lindemann Mental Health Center (1). All of the nurses are actively engaged in preventively oriented programs and community education activities. They maintain liaison relationships with a variety of community agencies such as VNA, Headstart, and public school nursing. In the parochial schools, 20 of 70 children

screened prior to first grade were found to require close monitoring, and two or three of these needed placement in special classrooms. The pediatric nurses have participated with core evaluations under Chapter 766 and have developed and implemented hospital and home visiting of newborn children. There is close collaboration with the developing parenting program.

Nurses assigned to Obs/Gyn and adult medicine continue to provide ongoing patient care and remain very active in home visiting as well with the pediatric nurses as in community education programs and liaison activities with the VNA.

The Health Center Assistants (3) have remained a mainstay of the Center. As they continue to provide support and assistance throughout the Health Center, their roles are being expanded to include more services.

Adult medicine has become the busiest service in the Center, accounting for 25% of the all visits to the Center. During 1976, there were 13,348 visits to adult medicine. More than 50% of these were walk-ins. The Adult Unit has continued to develop a solid health maintenance program. It has implemented a series of medical record format changes and is very actively involved in screening for early manifestations of serious disease. The unit has been actively engaged in teaching and collaboration with other units. It also has been involved in some research. Members of the unit have collaborated with others in the Center to develop a medical records committee and medical record audit system.

Nutrition services have expanded so rapidly that an additional full-time staff person, Jane Fardy, R.D., has been added. In 1975-76, there were 3,332 visits to this department based on two full-time staff people.

Nutrition services are well integrated into other health center activities: such as teaching, research, and administration. The unit was recently awarded a Women, Infant, and Children Grant to help further primary care goals for pregnant women and children under five years.

The Dental Health Service of the Bunker Hill Health Center provides comprehensive dental services to children and adults including preventive, emergency, diagnostic, and restorative services. Included are prophylaxis, scaling, dental health education, fillings, root canals, periodontics, crowns, bridges, pedodontics, interceptive orthodontics, dentures, partials, and extractions. There were 7,956 visits this year with 70% under age 21.

As patients begin treatment they receive complete care for all their dental needs. Thereafter, at six-month intervals they are recalled for preventive maintenance care.

The goal of the program is primarily service, to provide dental care

as a priority to residents of Charlestown, although the broader population served by the health center is also eligible for care in one dental program. Special school and Headstart screenings are done. Further objectives are to educate and create a consciousness with orientation towards dental health in the community.

The Administration at BHHC was changed in July, 1976, when Dr. Roger Sweet was appointed as Executive Director and Robert Barrio as Administrator. The Center is currently working very hard to integrate more fully with the MGH family and begin to face the very real fiscal problems of the mid 1970's. The fundamental problem we face now is how to conduct the services of the Center in a financially responsible manner without compromising the goals of prevention and health maintenance. It is this challenge that we are now accepting.

ROGER H. SWEET, M.D.
Executive Director

Report of the MGH-Chelsea Health Center

Fiscal year 1976 brought further expansion of services provided and a realization that the current building is no longer adequate to provide for continually increasing requests for services. A year and a half's effort was finally rewarded at the end of the year with the awarding to the MGH of a building at the former Chelsea Naval Hospital site which will hopefully become the future home of the Health Center.

By the end of the year, 12,860 patients were registered at the Center. This represents an increase of 2,873 since last year. Registrations continue to increase at a rate of 240 per month. The same 12-month period saw visits increase to a high of 27,516. This is an increase of 4,056 over last year. In a 3-year period registrations have quadrupled and visits have tripled.

The Center offers a wide range of health care services to children and adults. These include pediatrics, adult medicine, children's dental services, pediatric neurology, social service, mental health, psychological and psychiatric evaluations, podiatry, dermatology, allergy, nutrition, gynecology, obstetrics, and speech and language. Emergency ward and inpatient admissions to the Chelsea Memorial as well as the MGH are also available. The Center is open seven days a week, including two evenings, and has 24-hour phone coverage. Home visits are provided as part of an overall coordinated program of home care for elderly patients.

Several doctors currently serve on the adult-medical team. One physician coordinates the care of the patient and remains his doctor on subsequent visits, insofar as possible. Nurse practitioners work with these physicians, adding their special skills and the additional attention they can provide. Also part of the team are a health-center assistant, nutritionist, mental-health workers, secretarial staff, and a patient representative for those over 60 years of age.

In response to clearly identified needs, the Health Center initiated a treatment and prevention program to families in which child abuse and/or neglect is an issue. This program was set up cooperatively with the City of Chelsea, the Department of Public Welfare, and the United Way. It is currently serving about 45 families in Chelsea.

The Center initiated a cooperative program with the Chelsea School Department to do core evaluations of school children under the 766 program. This is a program for children with special needs. There were 52 evaluations done in the past year with complete physical, social, and psychological assessments. In addition, 84 medical assess-

ments were completed for this program. Speech, hearing, and pediatric neurological evaluations were also completed when indicated and requested.

The Center provided medical and dental services to the Chelsea Headstart program. Approximately 58 preschool age children were examined. In addition, physicals were performed on the entering kindergarten class, and the Health Center took on the role of "school physician" in the Chelsea schools. Physicals will be done through this program on all children in the first and fourth grade. A session each week is devoted to a special adolescent health program. This session is devoted to care for medical, psychological, social, and nutritional issues with adolescents.

The Chelsea Health Center, in collaboration with the St. Elizabeth's Hospital, has expanded its prenatal services. There were 89 deliveries at St. Elizabeth's Hospital this past year. In addition, there were 8 deliveries at the Boston Hospital for Women.

ANDREW D. GUTHRIE, JR., M.D.
Medical Director

DAVID A. CATALANO
Administrator

Report of the Medical Station at Logan Airport

This year has been one of important growth punctuated by changing external priorities which are gradually being fitted into a response pattern.

It is pertinent to review the plaque at the entrance to the Medical Station which reads:

THE MEDICAL STATION
Opened January 2, 1963
Initiated through the cooperative efforts
of
The Massachusetts Port Authority
and
The Massachusetts General Hospital
PURPOSE
TO PROVIDE Emergency Treatment and Medical Direction
TO PROMOTE Health and Medical Welfare
TO ENCOURAGE A Safer Work Environment for All

The objectives remain valid, and our daily activities continue to focus upon care of the patient. This results in a continuum of stress as consumer expectations create a more and more idealized type of provider. The provider or practitioner-clinician is simultaneously being forced into this generic model which peer review, care and process audit, and mandatory continuing professional education is thought to guarantee. It is obvious that, as more stringent cost accounting is practiced, our total operating expenses will increase unless a more efficient way is found to deliver first contact care yet assure the associated ongoing responsibilities of the provider.

A more effective way to record and retrieve patient-care information is one response. Proper entries into a patient's medical record are indeed time consuming using the current hand-entry mode. If our current pilot studies are validated by further experience, this aspect of the PROVE Medical Record can be initiated on a larger scale here soon.

Another change in the world about us which effects the Medical Station relates to the remarkable multi-national success in the planetary control of smallpox by immunization and education. The World Health Organization anticipates the continued decline and eventual disappearance of this human-to-human virus disease. In turn, this presages the decline of other infectious diseases for which specific

immunizations were provided, including 918 yellow fever immunizations.

Because of the economic considerations of these two disparate activities, a different type of financial support for the Medical Station is being explored with the Massachusetts Port Authority. It has become clearly apparent that this unusual type of ambulatory care facility with its own associated teaching, research, and development commitments cannot be cost-efficient without the classical ancillary sources of income permitted private, group clinics.

The growing interest in disaster response shown by the Federal Aviation Administration, airport management, and the aero-transportation industry has resulted in an openness hitherto not possible. All aspects of support services relative to an aircraft crash or other type of catastrophe at Logan International Airport have been defined, and a major protocol book clearly indicating specific responsibilities has been developed by the Massachusetts Port Authority. Several planning and evaluation meetings have allowed two major disaster drills to be completed efficiently and effectively. All components of the disaster response effort have been tested separately and **en toto.**

The Medical Station has also worked closely with the Division of Emergency Medical Services, Massachusetts Department of Health, in the past many months. Emergency Medical Technicians (EMTs) will play a more active role in emergency and disaster response at the airport.

In a different vein, the concept of teaching disease awareness rather than health education continues to be a fascinating challenge. In-service nurse education via instructional television (limited to point-to-point transmission) was explored with the Don Orione Nursing Home. From these live transmissions a series of 25 thirty-minute video tape recordings were prepared on subjects ranging from Chronic Bronchitis to Parkinson's Disease and Classification of Patient Functional Ability. The Medical Station nurses are now conducting specific analyses of the teaching efforts. The hope is to use the information collected in order to prepare even more effective audio-visual tapes for inservice education and also for the general public which are based upon disease awareness rather than in the so-called health education mode.

Also internally, another nurse is scheduled to attend the Adult Nurse Practitioner Course at the hospital. A Diabetes Survey and Hypertension Survey were conducted by the nursing staff. Suspects were identified and follow-up completed.

The various audit procedures required to assess caretaker performance have been difficult to develop for the ambulatory patient in this setting. Forms for this type of analysis have been evolved and

successfully used.

Efforts at patient-care analysis must parallel the objective analysis of current pathways and the changing direction of the Medical Station itself. Hence, the future of the Medical Station must be decided in a period of changing medical priorities which makes the process even more difficult.

KENNETH T. BIRD, M.D.
Director

Report of the Dietary Department

During this year of contrasts, we have held fast to our philosophy of service — a direct reflection of the sustained efforts of experienced dietary unit coordinators in the effective management of their responsibilities. In summary:

In what clearly were the most difficult economic circumstances in many years, we kept within our predicted budget. This was due primarily to intra-departmental changes:

(1) Plans for a three-phase transition from shared to total Dietary Department responsibility for food service in the Phillips House were accelerated. Through fantastic teamwork it was possible to eliminate phase II and III and to effect a flawless transition on February 2, 1976.

(2) The Chronicle of Gray 7, when visions become realities. On Friday evening, May 21, it was "dinner-as-usual" from the pantries in the White Building. At 7:30 on Saturday morning, 265 breakfast trays were served with aplomb from the Finessa centralized service in the satellite kitchen to patients in the Gray and White Buildings. We salute the engineers, the architects, and the construction teams, the dietary staff, dietetic interns, and personnel who worked so diligently for such a long time to achieve that perfection.

(3) We stepped up to the never pleasant but altogether necessary task of repricing the cafeteria menus in light of today's economic realities. An expanded menu, "special" luncheons, and two computerized cash registers made some impression on the problems of a 13% increase in meals served, but inadequate space and budget restrictions continue to plague us.

Summaries from the clinical units, as always, reflect some interesting trends:

Phillips House: A 19% increase in referrals to ambulatory services and/or extended care facilities.

Baker Memorial: One half the patients on modified diets were counselled in regard to sodium restrictions. In 1970 ten patients were instructed on low-cholesterol regimens; in 1976 there were 600.

Surgical Service: Increase in orders for low-residue feedings for pre-operative patients and a special study by the chief resident featuring innovative patterns for early post-operative feedings of patients who have had extensive gastro-intestinal surgery have required additional time and effort on the part of the clinical dietitians on that service.

Medical Service: 55% of the diet modifications included multiple restrictions.

Vincent-Burnham: A self-instructional programmed unit on infant

feeding practices was incorporated into the Dietetic Interns' experience. This unit was developed by Susan H. Laramee, R.D., in partial fulfillment of requirements for her Master of Science degree from Boston University.

In terms of educational direction:

An academic program in Dietetics is planned in conjunction with the establishment of an independent degree-granting education division of the MGH. Two tracks would lead to a Master's Degree in Dietetics: a 12-month course for Registered Dietitians who want to specialize in clinical, community, or administrative dietetics; and an 18-month program combining internship with specialization.

From the Dietary Department twenty employees were selected to participate in a pilot adult basic education program sponsored by the Personnel Department.

The Dietary staff continued to strengthen the internship patterns to meet their own continuing education requirements through related courses and seminars offered by local colleges and through professional organizations.

"For at least fifty years, a diet manual has been utilized in patient care at Massachusetts General Hospital. Dietary Department archives include ten editions, the earliest dated 1926." So begins the acknowledgment of the 1976 Diet Manual (the first edition to be copyrighted), published by Little, Brown and Co., Boston, and put into use late in September.

In terms of professional recognition, 1976 was a banner year!

Chef Thomas Connolly came to the MGH on August 8, 1926. Five decades later there was a continental breakfast, a Jubilee Mass in the MGH Chapel, and an afternoon reception in his honor. On Ether Day he received his 50-year pin.

The 59th Annual Meeting of The American Dietetic Association added star-spangled pages to our history. There were more than 600 at a reception in the Skyline Room at the Museum of Science to honor Annie L. Galbraith, R.D. Her accomplishments have inspired each of us, especially her equal commitment to her hospital responsibilities and to her office as the 1975-76 President of The American Dietetic Association.

Louise Hatch, R.D. was named the 32nd recipient of the Marjorie Hulsizer Copher Award, the highest honor bestowed each year by The American Dietetic Association.

What augurs best for the coming year? Though we shall not be free from problems, 1977 gives every indication of being a successful year. We are optimistic. We have confidence in the future and in our basic

strength, service to our patients and to their caretakers.

LOUISE HATCH, R.D.
Director Dietary Department and
Dietetic Internship

Report of Administrative Services

This writing constitutes the first annual report of the departments reorganized under Administrative Services. The first full year of operation can be characterized by a high degree of reorganization as new working relationships were established, as well as substantial progress made in providing new services to the hospital-at-large. Aided by a most capable Assistant Director, Thomas W. Schultz, the assigned departments enjoyed a new level of involvement in the management process.

Keynote to the entire year has been the completion of the two-year construction project for new patients rooms in the Gray North Tower. This completion allowed the commencement of a four-phase plan that will culminate in the move of the Bulfinch Medical Wards to the Gray North Tower in June of 1977. Within the scope of the overall project are included renovations on some White Building floors in order to provide all the necessary beds for the transfer of the Medical Services. In May of 1976, the first major phase took place with 116 patients moving on a temporary basis from White 11, 10, 9, and 8 into the new Gray North Tower rooms. The entire transfer was carried out with precision-like accuracy by some 18 coordinating departments with a total lapse time of four hours.

On a smaller scale, but probably of greater interest to our patients, was the initiation of a daily newspaper delivery service to patients throughout the hospital.

This year the Admitting Department was marked with changes as the office adjusted to the retirement of Miss Sarah Lifvergren after 43 years of service. Miss Maryanne Spicer was appointed as the Director of Admitting Services, which placed all admission offices under one department head and allowed for a singularity of direction. This reorganization will hopefully facilitate new directions as we move into the future. Again, as in past years, the Admitting Office faced a greater demand for beds than availability would allow. Requests for admissions were handled with the hospital maintaining a total cumulative occupancy of 90.1%, while the Baker division maintained a 98.5% occupancy, and the Phillips House a 94.2% occupancy. The Admitting Office had additional challenges this year as it assumed responsibility for the admission processing of transient operating room patients and the implementation of a pre-admission program in Phillips House. In the regulatory arena, new mandates in the Hil-Burton charitable admission regulations, cutbacks in state General Relief funds, and stronger rules for disability assistance produced more complexities in the admission process.

The Department of Clinical Administration marked the thirteenth

year of its operation as the management arm of Administration, with some reorganizational changes under the direction of Mr. John C. Cronin in his first full year as Director. As part of its growth, the Department absorbed the Unit Secretaries and Unit Assistants in the Phillips House and added a full-time Manager to that area. Also concluded this year was the transfer from the Blood Transfusion Service of the inpatient blood drawing technicians to Clinical Administration. The intent of the move was to better utilize the Clinical Laboratory's personnel and minimize duplication of effort in blood drawing activities.

The Dispatch Department underwent an organizational restructuring upon the retirement of Mr. Leon Katzer. Mr. Katzer, in his 23 years of dedicated service to the MGH, developed a model Dispatch Department which has been copied by a number of hospitals. During the same period, the scope of the hospital's activities have also grown, so that the Dispatch Department seemed to provide services in two separated and important areas. In January, 1976, the Department was divided into two divisions: Messenger and Post Office functions report to Harvey Simons, and Outside Transportation Services report to Jason Savage. The latter area was later reassigned to the Materials Management division. During the year, a prototype program was approved for night service, and in September this was expanded into a full 24-hour messenger service.

The Medical Records Department, under the direction of Miss Joyce Gormley, spent a very active year as the unit record system, which began in 1937, grew to 2,000,159. Among the year's noted activities were the move of 1.2 million records to a new storage facility, the extension of a dictation service for discharge summaries to the attending staff, and the participation in Medical Care Evaluation Studies to measure quality of care.

A new contract was negotiated with GTE Sylvania to expand patient television service to all inpatients and, at the same time, all television receivers were changed to color. In addition, a new free patient service was instituted in September of this year, a patient education channel via closed circuit television. As an initial offering, ten hours of programs were offered to patients on a Monday through Friday schedule. Patient response was most enthusiastic. A survey report showed a greater interest on the part of patients for the health information channel than commercial television offerings.

In a period which has seen the demise of many patient libraries, the Warren Library has experienced continued growth in services provided to both patients and employees. Along with its increase in circulation and new volumes, the library has this year expanded its services to include a music program via tape cassettes.

The Communications Department became a part of Administrative

Services in January of this year upon the retirement of Mr. Edmund R. Mattos, Assistant Director. Much of the year's activities, therefore, were concerned with understanding the scope of services provided by the Department and setting future objectives. The Department continued to work toward the conversion of telephone charges to computer reports for cost allocation analysis and in increasing the customer services to the hospital from New England Telephone. Again, as in past years, Mrs. Evelyn Olschewski has most aptly directed the high demand for telephone and paging services without interruption with inhouse page requests at 4,000 calls per day and outside calls to MGH operators also at 4,000 daily.
departments mentioned in this Annual Report. This year, outside of the described activities, also saw the tremendous pressures of high volume delivery and the stress of demands that were all immediate. The departments under Administrative Services are all support services, and their response to demands are critical to efficiency and achievement. It is with much appreciation that I compliment each of the members of this division for their diligence, commitment, and standards of high quality performance. Without their efforts in the daily tasks, none of our larger accomplishments could have taken place, nor would the institution have been able to meet its most important objective — patient care.

STEPHEN H. KAUFFMAN
Director of Administrative Services

Report of General Services

Despite increased demands on General Services, which includes Engineering and Maintenance, Building Service, Security, and Parking, year-end summaries show improvement in all departments.

Engineering and Maintenance. During the past year the department's efforts were concentrated on plant improvement, partially the refurbishing and rebuilding of our airconditioning, electrical, and plumbing systems with it own manpower. This resulted in a decrease in available manpower for renovation, refurbishing, and construction work. However, the total construction work performed by the department increased from $650,000 in 1974-75 to $800,000 last year with no increase in the department's manpower. The distribution of manpower over the year was as follows: Of a total of 155 available men of various trades in the department, 29% of the total man hours were spent in general repairs, 35% in refurbishing and rebuilding, 20% in new construction and renovation and 16% in operation of the plant. Once again, this year the number of work requests to the department increased from 11,163 the previous year to 12,577 last year. Needless to say, the department never suffered from lack of work.

Building Service. 1976 has been a year of continued physical growth of the plant with the addition of about 55,000 square feet of patient and general area floor space requiring the services of this department. Close coordination with inhouse and outside contractor construction work kept problems associated with these activities to a minimum, especially in the operating room areas adjacent to the major construction of additional O.R. facilities in the Gray Building. A new philosophy of close communication between the supervisors of the Building Service Department and the managers of the various divisions of the Ambulatory Care Building has resulted in a better understanding of the mutual problems and improvement in the quality of service. This philosophy will be extended to other areas. Communications between the supervisory staff and the workers, keeping them up to date with continuous changes inherent in a complex institution such as ours, result in high morale throughout the department and a feeling of pride within each employee that he or she is contributing a share to the business of caring for the sick.

Security. Despite the continued high crime rate in the city, fewer serious incidents were recorded in 1976 than in 1975. Auto thefts for the year were reduced from 24 in 1975 to 11 in 1976 as a result of our continuous garage patrol. However, in the minor incident category the volume increased. The number of recorded responses for assistance to personnel and others rose from 69,000 to a total of

89,560, or about a 30% increase over the previous year. This figure represents calls made to the dispatcher plus a recording of incidents encountered by established daily patrols. The photoidentification badge system, which is operated by the department and is the basis for the visitor control and restricted access policy, has effectively established the means for better protection of visitors and personnel. It has also reduced property loss during the past year. Protection has also been increased without additional manpower through the expansion of the electronic alarm system. The number of stations monitored has doubled in recent months and is continuously being further developed.

Parking. Demands for parking both by employees and visitors continue to exceed the facilities available and are continuously increasing as the surrounding community redevelops. No completely satisfactory solution is foreseeable unless those employees who have access to other means of commuting (i.e., public transportation or carpooling) use these avenues. A recent analysis of our parking problems by the Department of Management Engineering shows that 61% of our parkers live within 6 miles of the hospital, and of these 29% live within 3 miles. Surely many of these have easy access to public transportation or carpooling. Thus for the coming year a public transportation coordinator has been added to the parking operation. Amoung her responsibilities is setting up a comprehensive carpooling program, and it is hoped that our employees will use it to aid their fellow workers and patients who absolutely must drive.

This year we were able to increase our ability to meet our debt service requirements despite continued increases in operating expenses. However, this forthcoming year increases in city taxes will probably result in a sizeable operating deficit.

Overall, general services to the hospital have been delivered efficiently, effectively and with no serious delays.

GILBERT J. NESSOLINI
Director of General Services

Report of Management Services

Typical of many support areas of the hospital, the technically oriented departments that comprise Management Services were faced with an increased level of demand for a variety of activities during the past year. Fortunately, the combination of prior planning, as well as careful management of existing budgets within the Departments, has resulted in a firm basis for providing a reasonably high level of technical support services to a variety of users within the institution.

As reported last year, the Administrative Data Processing Department has undergone a significant transition as a result of its move to a different location and the installation of a new computer system to replace equipment that had become inadquate for our needs. Although these physical changes occurred in 1975, the "logical" evolution required the Department's attention for most of this year. All computer functions, including the programs and the associated data base, had to be converted for operation on the new equipment, a process that was ultimately completed according to the original schedule. By the end of the year, the hospital was able to dispose of the old equipment, and the Department was ready to address new areas of programming support services. Along with the ongoing activities, individuals from the group have begun working closely with the Fiscal Affairs Office to improve our general accounting, cost analysis, and budget reporting process. Of significant interest as a longer range activity is the Department's participation in the area of cost accounting, which we anticipate will result in a coordinated financial system, beginning with the individual daily transactions and ending with the final year-end Statement of Operations and the mandated Cost Reports for both the Commonwealth of Massachusetts and the Federal government.

The Laboratory of Computer Science continues to serve as the primary focus for the implementation of clinical data processing services. These were best exemplified during the past year by the completion of the first phase of the Specimen Accessioning and Gross Reporting System designed in collaboration with the Pathology Department and the continuing development of the Clinical Laboratory Reporting System as one component in a series of changes that had been developed for that area. Our overall goal of improving the direct interaction between our data processing facilities continued during the year as various techniques for sharing data were developed using the technical expertise of both departments. This is best exemplified by the development and preliminary usage of a prototype concurrent review system for monitoring the length of stay

of selected patients. Our expectation is that this function will be directly applicable for concurrent review of our Medicare and Medicaid patients under the Professionals Standards Review Organizations (PSRO) which were mandated under the Social Security Act Amendments of 1972.

Beyond its traditional role, the Medical Engineering Department played a significant planning role in two major areas during the year. With the assistance of the Department, the Medical Devices Subcommittee of the Critical Care Committee was able to establish a detailed plan for development and, where necessary, procurement of patient monitoring devices to meet the stated needs for intensive-care monitoring throughout the hospital. The second significant area of technical support from the Department was its knowledge and expertise regarding the requirements of the Medical Devices Amendments of 1976, which become law in May. Working closely with representatives from the Administration, the Medical Services, and our Legal Counsel, we were able to maintain a close watch on the development of this legislation and the subsequent regulations and to insure that our use of medical devices is consonant with the legislation.

The Laboratory of Industrial Engineering, which serves as a management support group for the Institution, underwent significant personnel changes during the year. In addition, its name was changed to the Management Engineering Department, a more accurate reflection of the skills that the Department brings to bear on its projects. Though lacking a full complement of personnel, it was still able to provide services for a variety of projects. With the arrival of a new department head early in 1977, we anticipate that this Department will again be able to perform with its same high standards.

Technical support and a continuing need for current, complete, and accurate information processing have become increasingly critical requirements for all large organizations. For hospitals such as The Massachusetts General Hospital, with the number of internal and external demands placed on it, such services become a **sine qua non.** As a result, our goal continues to be to meet these needs and to service the institution in as effective a manner as possible.

EDWARD M. KAPLAN
Director of Management Services

Report of Materials Management

The prime activity this year continued to be the study of the Massachusetts General Hospital's needs and the most effective way in which Materials Management could service those needs. Last year's activities created new systems in the areas of acquisition, storage, distribution, and information; this year's analysis indicated a need for a functional reorganization of our resources, the purpose of which was twofold:

1. To create an organizational structure for Materials Management that would enhance our system's effectiveness; and
2. To place Materials Management in a position for an expanding role in the MGH.

With our new organizational structure operational, decision-making can be delegated to lower levels, enhancing our ability to make timely dicisions regarding strategic planning.

This reorganization was greatly facilitated by the addition to our staff of Mr. Thomas Kelly as the new Director of Purchasing and Mr. Jason Savage as the Director of Outside Transport Services and Warehousing.

To achieve greater system effectiveness, the reorganization included the areas of Distribution, Receiving, Upper Store, Central Sterile Room, and Linen Control. Mr. Michael Abruzzese, Materials Manager, designed and implemented a structure which eliminated the traditional departmental organization whereby individuals are responsible for specific products from start to finish. In past years, each Manager was responsible for ordering, storing, manufacturing and, in some cases, delivering specific items. The new organization was designed functionally and included the areas of Receiving, Inventory, Mnaufacturing, and Distribution. Specifically, Mr. James Willis, Manager of the Central Sterile Room, assumed responsibility for Inventories and Manufacturing, and Mr. James Flanagan, Manager of Linen Control, became responsible for Receiving and Distribution. It is intended that Mr. Willis will direct the integration of inventory both physically and informationally, while Mr. Flanagan directs the integration of the movement of goods from the Receiving area and the storerooms to the hospital departments.

In the area of Purchasing, Mr. Kelly began to reorganize Purchasing along lines that would differentiate purchases by group, as well as identify and facilitate the acquisition of low-value, repetitive commodities from limited source-expensive purchases. This reorganization created two separate functions: one for Inventory Purchases and one for Non-Inventory Purchases. Mr. Joseph

Blanchard, in his new role as Purchasing Agent, will direct the purchasing of inventory supplies and coordinate the commodity coding program (which identifies what should be inventoried) with Mr. Willis of Materials Management. Mr. Richard O'Brien, in his new role as Purchasing Agent, will be primarily involved with coordinating the acquisition and delivery of equipment with the Maintenance and Planning Departments.

In mid-year, the arrival of Mr. Jason Savage from Administrative Services added another dimension to our reorganization. The first task undertaken by Mr. Savage was an examination of our present warehousing situation and development of an overall direction for that activity.

The Print Shop, under the able direction of Mr. Ralph Cluff, was reorganized this year after a year of analysis and careful planning. It was Mr. Cluff's conviction that the hospital departments had copying needs that were not being met by the departmental copiers or vendors in the Boston area. His objective was to provide a quality product in a timely fashion at a commercially competitive price, and save the hospital money. In the last quarter of this year, Mr. Cluff was able to reorganize the Print Shop operation to a Print Shop/Copy Center operation. Preliminary statistics indicate he has achieved his objectives and more; in the first three months of operation the Copy Center has saved the hospital and research community several thousand dollars while covering its full cost. Plans are being developed which will increase the utility of the Copy Center and reduce copying expense to the hospital still further.

The changes that have occurred in Materials Management this year would not have been possible without the support and cooperation of all our personnel. The driving force has been the desire to provide for our patients, in the most economical fashion, quality products when and where they are needed. I hope that the principal benefit of this reorganization will be that more of our personnel can participate in the formulation and implementation of new directions for Materials Management.

RANDALL P. McDONNELL
Director of Materials Management

Report of the Diagnostic Support Services

Introduction of new diagnostic technology continued successfully during the past year, but in the face of increasing severe external regulation and cost ceilings. The MGH's many diagnostic laboratories and departments have been undergoing the same mixed emotions now felt by most health-care providers. In part, external regulation and cost ceilings are arbitrary, onerous, and frustrating; in part, the pressures are forcing a useful reexamination of existing systems and costs.

Interestingly, a long-standing historical trend of volume growth in our major laboratories has significantly abated during the last twelve months. The diagnostic growth still underway is largely confined to areas of new technology rather than expanded use of existing tests. Signigicant new endocrine assays, for example, have been introduced; extension of our endocrine diagnostic capabilities will continue to be a major focus in years to come. Also, new noninvasive techniques for delineation of cardiac, vascular, and respiratory problems continue to mature. Finally, the field of diagnostic radiology is exhibiting revolutionary developments on three fronts: radioisotope imaging, ultrasound imaging, and computerized tomography.

If we are to continue the introduction of new diagnostic technology, cost offsets in other areas must be found. Several projects during the past year have led either to cost reduction or to improved levels of service at stable cost. For example, the hematology laboratory's work flow has been redesigned, physical renovations have been completed, and an initial segment of data processing support is complete; the laboratory's ability to provide excellent service has already improved, and cost reductions are expected with the completion of computer support in late 1977. In a different area, two major thyroid hormone assays, here-to-date performed at an outside commercial laboratory, are now being performed in house at substantial savings. As another example, our specimen collection activity has been reorganized, simplified, and services expanded without an attendant increase in personnel.

Cost pressures also imply we need to better understand the actual impact of new diagnostic technology upon both patient management and the economics of patient care. Such an effort is now underway in the Department of Diagnostic Radiology, where the onset of computerized body tomography offers exciting diagnostic potential but at a very significant capital and operating cost. The Department is in the midst of a careful research study to help us understand where the technology can be usefully appled. The question is not only whether a technique provides new diagnostic information, but also

whether that information leads to a change in patient management or the cost of care. We must develop an increasing sophistication in such analysis, and the Radiology study is an important prototype.

All the efforts just described arise from the creativity of people in the diagnostic departments and in other support groups at the MGH. I extend my thanks to all of these individuals.

MYLE J. HOLLEY
Director of Diagnostic Support Services

Report of Therapeutic Support Services

Since this is the first Annual Report in which Therapeutic Support Services (TSS) has had its own report (last year we were part of Medical Support Services), I thought it best to define the departments which make up TSS and describe how the Director works with these departments.

The Therapeutic Support Service departments are a grouping of patient treatment activities which share many common goals and problems. The activities are medical and technical by definition, under the direct supervision of a physician or other professional. To give you an idea of the size and variety of these activities, TSS departments have combined annual operating budgets of approximately $30 million and employ approximately one thousand people. The activities range from the very large, such as the Operating Rooms, Anesthesia, Blood Bank, Radiation Medicine, Respiratory Care, and Pharmacy, to smaller but very important activities such as Somatic Therapy, Proton Therapy, Stoma Service, and Hyperalimentation.

As Director of Therapeutic Support Services, I am responsible for knowing the responsibilities and requirements of each department and acting as a liaison and interpreter for the departments with the traditional financial administration of the hospital. Since most of TSS activities are directed by physicians, these "department heads" also report to either the Chief of Surgery or Chief of Psychaitry for clinical matters. In fact, the heads of two TSS departments (i.e., Anesthesia and Radiation Medicine) are Chiefs of Service themselves. The role of the Director of Therapeutic Support Services, therefore, is to work in a matrix role with the Department Head and the Chief of Service on a variety of operational and financial matters including: financial budgeting and control, staffing changes, physical facilities improvement, and coordination of each department's services with other hospital activities.

In addition to the day-to-day activities, several major projects have been undertaken by Therapeutic Support Services departments during 1976. In May of 1976, construction began on eight new Operating Rooms and an expanded Recovery Room. This construction will continue through 1977 and will be completed in February or March of 1978.

The Pharmacy, under Mr. John Webb's direction, undertook two major projects in 1976. First the financial reporting system was totally restructured to provide better information for management of resources and cost containment. Secondly, we engaged an architectural firm to prepare a long-range space renovation plan to

improve the delivery of Pharmacy services and make their Vincent Basement site a more pleasant work environment. Construction will begin during 1977.

The Department of Radiation Medicine, under Dr. Herman Suit's direction, continues the expansion of its activities in the new Cox Cancer Management Center. By the end of 1976, two new cobalt units were fully operational along with one 18 million electrovolt linear accelerator. The planning for an expanded radioisotope laboratory was completed during 1976 and will be constructed in 1977.

The Blood Bank and Transfusion Service, under the direction of Dr. Charles Huggins, commenced a new program aimed at increasing the number of volunteer blood donors to the MGH. The Blood Bank put into operation in January of 1976 a Donor Mobile Unit which regularly visits companies, organizations, and schools within the Interstate 495 beltway. With increasing federal pressure to rely exclusively upon volunteer donors, Dr. Huggins' decision to implement the Donor Mobile Program was an extremely timely one.

In addition to those activities mentioned above, planned for 1977 are: Integrating the Operating Room scheduling with the hospital admitting system and Diagnostic Radiology scheduling; evaluating the feasibility of a second Donor Mobile Unit; and exploring the feasibility of automating certain billing and clinical activities in the Pharmacy.

The year 1976 has been a very busy one for the Therapeutic Support Service departments. We look forward to sharing with you our further activities at the end of 1977.

DAVID M. SEMPLE
Director of Therapeutic Support Services

Report of the Department of Pastoral Services

In October, 1976, the Department of Pastoral Services began its third year of life as an established and recognized department of the hospital. Most of our personnel remain funded by outside agencies: we thank the Associated Synagogues for providing a part-time Jewish Chaplain, and the Marist Fathers and the Archdiocese of Boston for providing four Roman Catholic Chaplains. Chaplain Residents in the MGH School of Pastoral Care — who represent all faith groups and who provide the bulk of the pastoral care of patients — are supervised by Chaplain Reed. Lay volunteers provide invaluable service as they make initial calls on our patients.

The department and its School of Pastoral Care continue to receive many applications from all over the world from men and women woh want to study here. However, due to lack of staff, three of our four teaching programs have been suspended. Thus, we have been averaging only three to six Chaplain Residents at any one time rather than the twelve to fifteen needed in order to provide adequate patient care and staff consultation.

The MGH School of Pastoral Care is a member of the Association for Clinical Pastoral Education, Inc. — the one accrediting agency recognized by HEW for approving Chaplain Residency programs. 1977 will bring a review of the MGH School and possible loss of accreditation due to our lack of staff and the capacity that adequate staffing gives us to offer basic, advanced, and supervisory training.

As a member of the Boston Cluster for Theological Education, Inc., the department cooperates with Boston State Hospital, Morgan Memorial Rehabilitation Center, New England Deaconess Hospital, the Boston University School of Theology, and the Episcopal Divinity School in providing a variety of clinical settings for students of theology who need to learn how to put into practice what they preach.

In spite of the staffing problems, our Chaplains and Residents are increasingly being drawn into staff conferences, patient educational programs, and administrative functions, e.g., Staff Education; the Coordinated Continuing Education Program in Nursing, Social Work, and Allied Health; the MGH School of Nursing; the Subcommittee on Human Studies; the Social Service Advisory Committee. There is an increasing recognition by staff and employees that the Chaplaincy is an integral part of the total life and mission of the hospital. The response of patients to the presence of the Chaplains indicates that

"religion" is not seen as alien to the life of this secular and scientific institution, but rather as an important element in total patient care.

THE REVEREND ALLAN W. REED
Director, Department of Pastoral Services and the MGH School of Pastoral Care

Report of the Treadwell Service Library

The work of reorganizing the Library to make it a more effective resource for information progressed in 1975-76 to completion of about two-thirds of the basic goals set three years ago. The continued growth of demands for service - an average of 35 percent in the last year - can be interpreted as an indication of improved user satisfaction.

Collection Reorganization

Plans developed the previous year to rearrange the journal collection were implemented and the work completed. The total collection was shifted to arrange journals by actual title, to remove pre-1955 volumes to storage, and to provide flexible space for two years of growth. The inventory of volumes held provided correct information for the completion of a Journal Holdings List. This list is easily consulted by users and may be photocopied for consultation in other areas of the hospital. Journals published before 1955 are delivered on request from storage within 24 hours. An average of 10 to 15 volumes is requested daily from storage.

Records of journals requested from storage as well as records of journals requested from inter-library loan were tabulated as part of the planning for a one-year study of journal use and needs to be conducted in 1977. Measures of use can to be related to cost and space required to develop criteria for a cost-effective journal collection.

Book-by-book review of the book collection begun in 1974 to weed out little used titles was finally completed. Careful selection of books has improved the quality of the book collection and controlled its growth. During the next year, new techniques for weeding outdated books will have to be explored in order to stabilize the number of books held. This may mean discarding as many books as are purchased each year - approximately 600.

Services

In January, we conducted a week-long survey of who was using the Library and why. Results of the survey showing use by job titles revealed that physicians and medical students represented 75% of the users. Reasons for visits were categorized to represent the three main goals of the institution as follows: Research - 40%, Patient Care - 33%, Education - 19%, Other - 8%. This study will be used as a base for comparison in future yearly studies of library users.

The pilot study to develop a computerized literature search service,

partially funded by a Biomedical Research Support Grant, successfully developed use of this powerful system by the research community. Sixty-nine percent of the searches performed were for research projects. Additional funds were requested and granted to develop more effective use of the service for patient care and teaching and to find means to cover costs of the service without making the fees prohibitive.

A program of orientation to the use of the Library for all new staff in Nursing Service was begun this year. Similar orientations are regularly provided for staff and students from the Dietary, Pharmacy, Respiratory Care, and Social Service Departments.

Program Budget

A program budget prepared for 1977 presented total budget dollars for goals and objectives. Planning for this budget includes only those activities and staff which can be accommodated within the present facility. Since the development of the Library program is dependent on the future disposition of the Ambulatory Care Center and the Educational Planning Division's degree-granting programs, budget projections beyond 1977 were not detailed.

The process of analyzing costs for program objectives required a close analysis of procedures which resulted in revision and simplification of many procedures. The value of the process and of the completed budget has proved to be very high.

Space Renovation

Renovation to reorganize existing space more efficiently for the information desk, photocopying, and staff work areas was completed with excellent results. The effect has been to improve staff efficiency and to heighten the confidence of the user in the quality of service he will recieve.

Conclusion

At the end of this year, we began to plan for the last three reorganization projects which we estimate will take two years to complete. These are reclassification of the book collection, replacing missing journal issues, and revising the journal collection to meet cost-effective criteria. At the same time, we will continue to develop services to support the information requirements of the MGH health-care community.

JACQUELINE BASTILLE
Librarian

Report of the Volunteer Department

Tall ships, the Quincy Market, the Queen's visit, the model showing our surroundings in the 1830's, the pictorial exhibit in the glass corridor depicting the hospital's milestones since its founding in 1811, and the MGH Bicentennial slide presentation have left many of us with a new feeling of patriotism and love for both the hospital and our country.

The public's awareness of our biweekly day and evening orientation programs for new people attracted 406, of which 206 were adults and 200 were students. Among the adults were 31 retirees. A total of 952 volunteers gave 69,445 hours. This does not include unrecorded volunteer hours contributed by those serving on committees. The American Hospital Association 100-hour pin was awarded to 128.

Our quarterly statistics show that the strength of the service is year round. We recruited 29 volunteers who assisted with five studies for Nursing staff Education, Management Engineering, the Adult Recreation Service, the Emergency Ward, and the Psychiatric Child helped with requests for special services totaling 1,114 hours.

The Boston Red Cross Arts and Skill volunteers, Mrs. Louise Rosenthal, Mrs. Lee Shindell, and Mrs. Elsie Herrmann, gave much enjoyment to 574 patients by instructing them in the art of textile painting and ceramics.

The interpreter service continues to grow with 18 volunteers using two pagemasters, interpreting Spanish, Greek, Italian, French, Ethiopian, Portuguese, Cantonese, and German. Three assisted Communications by translating fly sheets in the directory into Italian, French, and Spanish. Five others translated into German, Spanish, Portuguese, French, and Italian, instructions for the Warren Library for foreign-speaking patients. Translations of letters for Administration and educational materials for the Ambulatory Care Division were also done.

There were eight guest speakers at the Trustee Advisory Committee to the Volunteer Department. Dr. Charles Huggins, Director of the Blood Transfusion Service, and Jan Montero, Community Liaison Officer in charge of the Blood Donor Mobile Unit, explained this service and the unit. Stephen Kauffman, Director of Administrative Services, described a committee to investigate the prospect of closed-circuit TV programs for patients and the need for two volunteers to be on the committee. Oscar Miller, Men's Group, and Mrs. Sophie Julin, MGH Service League, both volunteered. Sister Kateri, Chairman of the Intensive Care Nursing Service, described this service along with details of the new Restricted Waiting Area for Families of Operative Patients in the Gray Lobby. Isabella Tighe,

Patient Care Representative, and Mrs. Thomas Hackett, Chairman of the Patient Care Representative volunteers, described this service and its good progress. Joan Sing, Community Activities Representative, Boston Red Cross, gave current statistics and explained its various programs, Anne Sheetz, R.N., Chairman, Pediatric Nursing Service, presented the need for "mother substitutes."

Excellent **Boston Globe** publicity appeared March 15 highlighting hospital volunteer services at the MGH and other Boston hospitals.

The first student to recieve the annual Jessie Harding Award for volunteer service was 17-year-old Ann Marie Duffy of Charlestown. In presenting the award at the Trustees' and General Director's Christmas Volunteer Recognition Party, Dr. Charles A. Sanders, General Director said, "... As this is America's Bicentennial year, it is important to note that men and women students have been volunteering at the MGH since 1905. They made significant contributions in the pioneering of social service and volunteer service. Your exceptional record, assisting in the Emergency Ward, Private Ambulatory X Ray and Admitting, Traveling Store and Blood Transfusion Service, with patience, understanding, and enthusiasm has been carried on in the finest tradition at the MGH. You exemplify the young person of today who desires to be of help, giving true meaning to the word 'volunteer.' You have earned our respect and gratitude..." Miss Duffy was praised in the **Boston Globe** Calendar's cover story on volunteerism as the first student volunteer to receive the highest volunteer award.

The Volunteer Department Fund has grown to $3,616.

Six people attended our consultation services: Mrs. Marguerite D. Roggeveen, Director of Volunteer Services, Newton-Wellesley Hospital; Mrs. Nancy Harwood, Chestnut Hill; Mrs. Patricia McGoldrick, Saginaw General Hospital, Saginaw, Michigan; Mrs. Elaine Bailey, Chestnut Hill; Mrs. S. Robin Barca, Director of Volunteer Services, Arthur R. Gould Memorial Hospital, Presque Isle, Maine; and Mrs. Patricia Forbes, Director of Volunteers, Massachusetts Rehabilitation Hospital, Boston.

We were hostesses for a Regional Educational Meeting of the Massachusetts Association of Directors of Hospital Volunteer Services in the Walcott House. Marjorie T. Bennett, Assistant Director, was Chairman of the meeting with the topic being "Programs Unique to Our Hospital."

Mr.s R. L. Hooper, Royal Adelaide Hospital, Adelaide, South Australia, and Dr. Christiane Tobler from Switzerland visited us.

We were saddened to hear of the deaths of Francis C. Gray, a charter member of the Trustee Advisory Committee to the Volunteer Department; Louis Yoffe and Thatcher P. Luquer, past recipients of the Jessie Harding Award; Samuel Kessler and Adele G. Achorn. All

of these friends will be greatly missed.

The Volunteer Department staff gratefully acknowledges the dedicated help of everyone.

MARY RUTH WOLF
Director, Volunteer Department

Report of the Volunteer Services Committee

The Volunteer Services Committee continues to bring together and organize the volunteer efforts of the auxiliaries within the Hospital: the Ladies' Visiting Committee, the MGH Service League, the Ladies' Visiting Committee of the Massachusetts Eye and Ear Infirmary, the Vincent Hospital Board of Managers. Mrs. Maeve Blackman, Assistant Director of the Volunteer Department, is our able and invaluable Coordinator and works closely with the leaders of the various groups.

In addition to the inhospital members, the Volunteer Services Committee has representatives from the McLean Hospital, the North End Community Health Center, the MGH-Bunker Hill Health Center, and the MGH-Chelsea Health Center. The Committee met three times during the year. One meeting was held at the MGH, one at the Massachusetts Eye and Ear Infirmary, and one at the North End Community Health Center. Our meetings are unfailingly interesting and productive, providing lively discussions of our varying activities, plans, and problems, and identifying areas of common concern where we can be mutually helpful. It is our plan to continue the pattern of meetings both within the hospital and in the community centers. Our knowledge and understanding of each other's challenges is presently enhanced by our visits to the various facilities.

MRS. NELSON W. ALDRICH
Chairman

Report of the Ladies' Visiting Committee

The Ladies' Visiting Committee can look with pride at our activities of the past year. We have accomplished much, but we must be always aware of the ever increasing and changing demands made on the hospital in these times. Our goal has always been to provide individual service to each patient and family — an ideal particularly meaningful in a hospital of this size.

To this end, we have continued to support our varied programs: Art Committee and Art Wagon, the Chapel, Children's Service, Christmas Programs and Decoration, the Coffee Shop, the General Store and Traveling Store, Needlework Program, and Hospitality Committee for Radiation Therapy. Many of our members also serve on the Patient Care Committee, the Decorating Committee, and on other inhospital groups.

Particular thanks are due to three members who are retiring as chairmen: Mrs. Charles B. Hazzard, Jr., Chapel Committee; Mrs. Francis U. Paige, Needlework Program; and Mrs. William O. Taylor II, Recording Secretary and Member of the Executive Committee. We are deeply grateful to them for their years of devotion and service.

As members of the LVC, we play an increasingly important role as representatives of the MGH in our respective communities. We must be knowledgeable about the hospital in order to correctly respond to the myriad questions and comments. We are, therefore, extremely grateful to the following for sharing their expertise with us as our speakers:

Dr. Charles A. Sanders, General Director, MGH; Mr. Lawrence Martin, Associate General Director; Dr. Charles E. Huggins, Director, Blood Transfusion Service; Dr. Daniel C. Shannon, Director, Pediatric Intensive Care Unit; and Sister Kateri, R.N., Chairman, Intensive Care Nursing Service.

We welcomed as new members:

Mrs. Edwin T. Green, Mrs. Thomas P. Hackett, Mrs. Kenneth A. Henderson, Mrs. Stanley W. Swaim, Mrs. Roland duB. Grimm, and Mrs. John B. Coburn (rejoined).

We accepted with regret the resignations of: Mrs. Harvey Bundy and Mrs. John Ferry.

We recorded with deep regret the death of Miss Elizabeth Peabody, a devoted member since 1938.

LOUISE C. RIEMER
Chairman

1976 Financial Report of the General Store

Balance on Hand — December 31, 1975			$ 54,078.00
Cash Receipts			258,422.69
258,422.69			
Total Receipts			$312,500.69
Expenses			
Salaries	$ 55,464.41		
Fringe Benefits	6,469.11		
Hospital Pension	475.68	$62,409.20	
Equipment		651.73	
Stock Purchased			
Outside Vendors	$157,156.02		
Upper Store	59.85	157,215.87	
Utilities		166.50	
Miscellaneous			
Freight Charges	$ 20.90		
Photo Lab	54.00		
Christmas	140.00		
Maintenance	935.22		
Comm. of Mass. Sales Tax	4,779.37	5,930.49	
Total Operating Expenses			$226,373.79
Paid to Ladies Visiting Committee			40,000.00
Balance on Hand - December 31, 1976			$46,126.90

SUMMARY

Receipts	$258,422.69	
Expense	226,373.79	
Cash Gain	$ 32,048.90	
Increase in Inventory	5,289.82	
Operating Gain for 1976	$ 37,338.72	
Value of Inventory December 31, 1976		$14,863.53

The fiscal year of the General Store remains on the calendar Year.

ANNA P. REVERE
Treasurer

Report of the Service League

The fall of 1976 found the League in the last quarter of its 25th year of service to the hospital with 314 members.

The Reception Center, under the Chairmanship of Mrs. Frederick T. Hurley, and, from late June to October, of Mrs. Edward W. Webster **pro tem**, registered 87 foreign visitors. Eighty-two of these required housing according to Mrs. Lawrence E. Martin, Chairman. Mrs. C. Miller Fisher and Mrs. Henry Warner, Co-Chairmen of the Furniture Exchange, made 95 trips to the storage facility at McLean Hospital and report that 45 visitors received furniture in spite of a fire at a barn which greatly hampered this project. They also received 25 donations of furniture and purchased 23 sets of mattresses. Miss Alice Banard, Ticket Chairman, received and distributed 139 tickets to our visitors — 64 to Boston Symphony with the balance divided among other musical events, Museum of Science, Vincent Club, the theatre, and baseball games, to name a few.

Under the able direction of Mrs. Albert C. England, 15 concerts were given in the Chapel with an average attendance of 40 patients at each one.

Mrs. Joseph N. Lyons, Clinics Chairman, reports that 23 Service League members gave 3,159 hours in eight dividsions, providing assistance to patients, staff, and visitors, which is an increase of 2 members, 56 hours, and 1 division over last year. Mrs. Joseph X. Trainor, Chairman for Gray and White Information Desks, reports that 14 volunteers gave 1,412 hours.

The Coffee Shop is sponsored alternately by the Service League and the Ladies' Visiting Committee. This year Mrs. Alfred Kranes is the League's Chairman.

The Pops concert, held in June under the Chairmanship of Mrs. Herman D. Suit, was a great success, resulting in a net profit of $1,136.

Co-Chairmen of the Summer Hospitality Porgram, Mrs. Grant V. Rodkey and Mrs. Robert G. Ojemann, report a successful series of 9 events: 4 pool parties in July and 5 beach parties in August, involving about 55 people each week. The Hospitality Chairman, Mrs. Daniel Shannon, is planning activities for this winter and spring.

Mrs. Ernest F. Krug III, Service Records Chairman, recounts that in 1976 there were 49 volunteers in regular jobs who contributed 7,104 hours to the hospital.

Mrs. John W. Raker presided at the Annual Meeting. The speaker was Mr. Lawrence E. Martin, Associate General Director of the hospital whose interesting and informative talk was on "Medical Costs, Past, Present, and Future".

Mrs. Thomas Dodson, House Staff Chairman, reports that the welcoming party for the new House Staff wives, sponsored by the Service League, was well attended and that this cohesive group is now assembling their own directory.

The mid-winter luncheon, chaired by Mrs. W. Gerald Austen, will be held early in March with Mr. David O. Ives of WGBH as guest speaker.

JEANNE HEALEY
President of the Service League

Dalton Scholarships

Dalton Scholar Awards will be made to young physicians for significant contributions to the advancement of medical knowledge and for individual promise for continued scholarly work. The recipients will be members of the MGH Staff and less than 40 years of age. Their research contributions leading to the award will have to be accomplished at the MGH. Each award will be for $1,000 and generally two individuals will be chosen yearly. The Committee on Dalton Scholar Awards will be appointed annually by the General Executive Committee. The Awards will be presented at the Corporation Dinner.

In addition, remaining monies in the Dalton Fund will be available for foreign travel for young MGH staff members. A maximum of $2,500 will be awarded in any year. Travel funds will be awarded to an individual whose travel would result in significant educational benefit to the individual and to the Massachusetts General Hospital. The awards will be recommended by the General Executive Committee.

Warren Triennial Prize

The Warren Triennial Prize was founded by the late Dr. J. Mason Warren in memory of his father, and his will provides that the accumulated interest of the fund shall be awarded every three years to the author of the best dissertation considered worthy of a premium on some subject in Physiology, Surgery, or Pathological Anatomy, the arbitrators being the General Executive Committee of the Massachusetts General Hospital.

The submission of special theses or essays is no longer required for this competitive prize.

The Warren Prize Lectures, selected for outstanding work in medical science, are nominated to the Trustees by the General Executive Committee.

In 1974 the Warren Triennial Prize was awarded jointly to Dr. Efraim Racker of Cornell University and Dr. Peter Mitchell of the Glynn Research Laboratories in England.

PLANNED GIVING
WILLS AND BEQUESTS

The founding of the Massachusetts General Hospital in 1811 and its notable service over the succeeding years have been made possible in large part by generous gifts and bequests. Now, in addition, planned giving arrangements, including the gift annuity, the charitable remainder unitrust, the charitable remainder annuity trust, and the pooled income fund, are available — and are being used — to the mutual benefit of donors and the hospital.

Funds may be left by will to the Massachusetts General Hospital in one or more of the following ways:

A cash bequest leaves a specific dollar amount.

A bequest of all or a stated percentage of the residue of an estate gives the hospital all or such stated percentage of the balance of the estate after payment of debts, taxes, expenses of administration, and specific bequests.

A bequest of a remainder of a charitable remainder trust after a life estate in a surviving spouse or other beneficiary (ies) gives the hospital all or a portion of the principal sum of such trust following the death of the spouse or other life beneficiary (ies).

A contingent bequest makes the hospital the beneficiary only in the event that other designated beneficiaries fail to survive the donor.

Should you plan to include the hospital in your will — or should you be interested in one of the types of gifts describing above — the hospital could suggest to you or your lawyer specific wording for carrying out your wishes.

Joseph C. Donnelly, Jr., Director of Development (telephone: 726-2200), would be pleased to hear from you and to provide whatever information you or your lawyer may seek.

Statistical and Comparative Tables

MGH CLINICS

	New Cases	Total Number of Visits	Daily Average	Total Number Prescriptions Filled
1965	13,498	210,304	696	157,252
1966	14,218	212,607	704	168,338
1967	14,504	226,207	749	176,013
1968	15,846	237,792	782	178,744
1969	15,958	236,194	780	189,133
1970	10,090	180,066	596	186,168
1971	11,640	190,738	629	203,248
1972	10,595	190,854	628	205,505
1973*	10,744	212,846	704	214,272
1974*	11,350	226,553	747	205,272
1975**	13,224	349,519*	1,153	205,092
1976**	22,071	375,063	1,237	205,121

*Statistics include Staff Clinic and School of Nursing Health Services.
**Statistics include Social Service Visits.

BUNKER HILL HEALTH CENTER
CHELSEA HEALTH CENTER
Patient Registration and Encounter Data

	Bunker Hill Health Center		Chelsea Health Center	
	New Reg.	Encounters	New Reg.	Encounters
1969	3,422			
1970	4,065	21,894*		
1971	3,442	46,931**		
1972	3,872***	49,605***		
1973	2,571	49,790	1,643	9,255
1974	2,436	50,914	6,200	18,600
1975	1,520	53,222	3,787	23,460
1976	2,382	53,089	2,873	27,316

*Includes figures from first three quarters, 1970, only.
**Beginning third quarter, 1971, encounter data is an estimate based on a random sample of encounter forms for each time period.
***Includes Chelsea Health Center.

SERVICE INPATIENT STATISTICS
For The Years 1964-1976

	No. Patients Admitted	Average No. of Patients Per Day	No. of Beds Available	Percentage of Beds Occupied	Patient Days	Average Stay in Hospital	Number of Operations	Deaths Total Number	Deaths % of Admissions	Autopsies
1964	13,850	408	508	80	149,458	11-	8,546	874	6.31	62%
1965	12,502	405	510	79	147,835	12-	8,601	861	6.89	62%
1966	12,235	412	487	85	150,328	12+	8,751	891	7.28	58%
1967	11,493	409	486	84	149,028	13-	8,633	776	6.75	61%
1968	11,567	394	488	80.6	144,036	12+	8,304	752	6.50	63%
1969	11,345	381	488	78.1	138,981	12+	8,588	754	6.64	60%
1970	11,983	379	487	77.8	138,465	12-	8,858	702	5.85	50%
1971	11,876	356	481	74	130,060	12-	5,982	702	5.91	55%
1972	12,024	343	482	71	125,565	10+	N.A.*	673	5.60	54%
1973	11,424	330	509	64.8	120,683	10+	N.A.	615	5.40	52%
1974	10,850	309	509	60.7	112,825	10+	N.A.	598	5.50	51%
1975	10,891	317	509	62	115,571	11-	N.A.	618	5.67	43%
1976	11,170	306	509	60.1	112,207	10+	N.A.	574	5.14	37%

Total number of patients admitted to General Hospital from the year 1921—766,139
Private pediatric patients included in service category since 1963.

SEMI-PRIVATE INPATIENT STATISTICS
For The Years 1964-1976

1964	10,041	358	338	106	131,094	13-	6,831	393	3.91	75%
1965	11,412	385	339	113	140,456	12+	6,634	438	3.84	64%
1966	11,671	419	389	107	152,823	13	6,596	458	3.92	64%
1967	11,005	429	389	110	156,052	14	6,627	528	4.79	62%
1968	10,884	432	404	107	158,018	14+	6,882	568	5.2	64%
1969	11,284	436	402	108	159,337	14+	6,716	570	5.05	61%
1970	11,966	455	416	109	166,170	14+	6,801	528	4.41	59%
1971	12,534	452	416	108.7	165,076	13+	6,667	487	3.88	61%
1972	13,585	468	464	100.9	171,313	13-	N.A.*	585	4.31	57%
1973	14,332	490	437	112.1	178,823	13+	N.A.	569	4.0	51%
1974	15,275	521	437	119.2	190,275	13+	N.A.	599	3.90	54%
1975	15,007	516	437	118	188,176	12+	N.A.	610	4.06	49%
1976	15,398	532	437	121.7	194,921	13-	N.A.*	597	3.88	44%

Total number of patients admitted to Baker Memorial from the year 1930—396,840

PRIVATE INPATIENT STATISTICS
For The Years 1964-1976

1964	4,716	158	168	94	57,692	12+	1,684	153	3.24	66%
1965	4,764	165	168	98	60,332	13-	1,699	146	3.06	70%
1966	4,421	167	171	97	60,776	14-	1,730	156	3.53	66%
1967	4,320	173	172	100	62,794	14+	1,697	141	3.26	63%
1968	4,148	166	173	96.3	60,917	14+	1,739	164	3.9	67%
1969	4,058	158	173	91	57,603	14+	1,716	166	4.09	65%
1970	4,335	153	174	87.9	55,903	13-	2,021	140	3.22	67%
1971	4,265	142	173	82	51,870	11-	5,459	145	3.4	60%

1972	4,071	128	138	93	46,778	11+	N.A.*	116	2.85	47%
1973	4,258	134	138	97.1	49,018	11+	N.A.	134	3.1	57%
1974	4,048	134	138	97.1	48,974	12+	N.A.	123	3.0	58%
1975	4,049	136	138	98.5	49,578	12+	N.A.	126	3.11	50%
1976	4,101	137	138	99.2	50,262	12+	N.A.*	140	3.41	49%

Total number of patients admitted to Phillips House from the year 1917—211,191

*None Available

AMBULATORY CARE DIVISION
COMPARISON OF ANNUAL STATISTICS
FOR YEARS ENDED 9-30-75 and 9-30-76

	Year End 9-30-76	Year End 9-30-75	Increase (Decrease)	Per Cent Change
Medical Clinics Complex	78,790	75,984	2,806	3.7
Psychiatric Ambulatory Care	32,675	29,587	3,088	10.4
Pediatric Ambulatory Care	25,561	16,350	9,211	56.3
Dermatology Ambulatory Care	31,788	21,638	10,150	46.9
Neromedical Ambulatory Care	6,303	6,707	(404)	(6.0)
Surgical Ambulatory Care	13,872	19,170	(5,298)	(27.6)
Orthopaedic Ambulatory Care	16,674	13,617	3,057	22.5
Urology Ambulatory Care	5,379	5,368	11	.2
Gynecology Ambulatory Care	7,239	7,658	(329)	(4.3)
Neurosurgical Ambulatory Care	813	994	(181)	(18.2)
Oral Surgery Unit	6,941	7,687	(746)	(9.7)
Nutrition Service	2,615	3,125	(510)	(16.3)
Language Unit	8,511	9,343	(832)	(8.9)
Thyroid Unit	1,777	1,724	53	3.1
Cox Ambulatory Service	12,455	7,415	5,040	67.9
Medical Oncology	10,567	2,018	8,549	423.6
Staff Service	15,679	17,532	(1,853)	(10.6)
Medical Social Service	9,531	8,682	849	9.8
Rehabilitation Service	364	438	(74)	(16.9)
Total Annual Visits	287,624	255,037	32,587	12.8

THE DEPARTMENT OF DIAGNOSTIC RADIOLOGY

EXAMINATIONS COMPLETED

	1976	1975
White 1 Unit Examinations	66,732	67,201
Baker 2, White 2, and Clinic Examinations	81,656	75,812
Baker 1 Ambulatory Unit Examinations	30,216	30,623
Gray Admitting Unit Examinations	12,214	10,278
Phillips House Unit Examinations	2,316	2,377
Angiography Examinations	5,141	4,159
Neuroradiology Unit Examinations	10,912	9,311
Nuclear Medicine Unit Examinations	9,539	8,313
Operating Room and Gray 3A Day-Shift Examinations	13,052	12,733
Other	1,385	249
TOTAL	233,163	221,056

RADIATION MEDICINE

(RADIATION THERAPY)

	1976	1975
TREATMENTS		
In-Patient	5,930	5,783
Eye & Ear Patients	238	252
Private Ambulatory	47,905	40,540
Boston University Cobalt & Betatron	1,330	2,332
TOTAL	55,403	48,907
Total No. of Patients Registered	1,417	1,465
Total No. of Treatment Series	2,023	1,390
Super Voltage Treatments	48,782	34,437
Ortho Voltage Treatments	5,291	12,164
Follow-Up Examinations	4,287	—
Consultations	841	907
Radium and Iridum Implants	145	139
P 32 Injections	15	6

REHABILITATION MEDICINE DEPARTMENT

	1976	1975
Treatments given:		
Outpatient	8,250	6,642
General Hospital (Including Eye & Ear Infirmary)	16,222	16,238
Phillips House	3,376	2,813
Baker Memorial	14,379	9,628
Private Ambulatory Patients	7,334	6,224
Total Treatments given	49,561	41,545

Report of the Treasurer

In accordance with Article 5 of the By-Laws, the Annual Report of the Treasurer for the fiscal year ending September 30, 1976, which has been abstracted from the auditor's report, prepared by Alexander Grant & Company, is respectfully submitted.

THE MASSACHUSETTS GENERAL HOSPITAL

BALANCE SHEET

(September 30)

ASSETS

	Combined		General Hospital		McLean Hospital	
	1976	1975	1976	1975	1976	1975
CURRENT ASSETS						
Cash	$ 2,381,199	$ 2,423,147	$ 6,638,739	$ 8,206,076	$ (4,257,540)	$ (5,782,929)
Accounts & Notes Receivable	33,088,139	35,182,351	27,069,210	27,314,439	6,018,929	7,867,912
Less: Allowance for Doubtful Accounts	(5,140,973)	(4,795,993)	(4,724,995)	(4,366,187)	(415,978)	(429,806)
	27,947,166	30,386,358	22,344,215	22,948,252	5,602,951	7,438,106
Inventory at Cost	2,787,323	3,021,028	2,624,851	2,886,480	162,472	134,548
Prepaid Expenses	1,380,075	736,533	1,266,758	728,183	113,317	8,350
Estimated Contractual Adjustments		1,048,204		1,073,204		(25,000)
Total Current Assets	34,495,763	37,615,270	32,874,563	35,842,195	1,621,200	1,773,075
NON CURRENT ASSETS						
Investments at Cost (Quoted Market Value: $72,397,776)	63,764,685	58,351,396	61,536,213	56,319,300	2,228,472	2,032,096
Mortgage & Notes Receivable	210,693	200,000	210,693	200,000		
Construction & Debt Service Assets	16,154,715	153,072	16,154,715	153,072		
Construction in Progress	16,477,639	19,292,274	14,357,647	19,184,055	2,119,992	108,219
Land and Buildings	1,224,199	1,061,664	1,224,199	1,061,664		
Total Non Current Assets	97,831,931	79,058,406	93,483,467	76,918,091	4,348,464	2,140,315

	Combined		General Hospital		McLean Hospital	
	1976	1975	1976	1975	1976	1975
PROPERTY, PLANT AND EQUIPMENT						
Buildings	96,796,128	77,991,313	86,870,763	68,200,988	9,925,365	9,790,325
Equipment	32,737,537	31,281,064	28,013,911	26,847,912	4,723,626	4,433,152
	129,533,665	109,272,377	114,884,674	95,048,900	14,648,991	14,223,477
Less: Accumulated Depreciation	(35,469,403)	(33,090,326)	(28,943,010)	(27,109,348)	(6,526,393)	(5,980,978)
	94,064,262	76,182,051	85,941,664	67,939,552	8,122,598	8,242,499
Land	3,859,038	3,859,038	3,403,052	3,403,052	455,986	455,986
Total Property, Plant, and Equipment	97,923,300	80,041,089	89,344,716	71,342,604	8,578,584	8,698,485
TOTAL ASSETS	$230,250,994	$196,714,765	$215,702,746	$184,102,890	$14,548,248	$12,611,875

LIABILITIES AND FUND BALANCES

	Combined		General Hospital		McLean Hospital	
	1976	1975	1976	1975	1976	1975
CURRENT LIABILITIES						
Current Maturities of Long-Term Debt	$ 220,465	$ 202,580	$ 169,400	$ 151,600	$ 51,065	$ 50,980
Notes Payable - Bank	1,500,000	11,000,000	1,500,000	11,000,000	-0-	-0-
	1,720,465	11,202,580	1,669,400	11,151,600	51,065	50,980
Accounts Payable	7,221,733	5,452,736	6,459,442	4,840,546	762,291	612,190
Accrued Liabilities	3,889,840	3,259,022	3,256,225	2,944,820	633,615	314,202
Estimated Contractual Adjustments	1,498,607		1,498,607			
Defferred Revenues	373,112	184,427	222,078	184,427	151,034	
Total Current Liabilities	14,703,757	20,098,765	13,105,752	19,121,393	1,598,005	977,372
LONG TERM DEBT, Less Current Maturities	37,303,095	7,526,182	35,484,881	5,656,899	1,818,214	1,869,283

	Combined		General Hospital		McLean Hospital	
	1976	1975	1976	1975	1976	1975
Reserves						
Workmen's Compensation	533,480	513,554	533,480	513,554		
Life Insurance	10,809	10,458	10,809	10,458		
Disability Insurance	160,759	73,743	157,687	67,259	3,072	6,484
Equity In Undistributed Security Gains of Investment Pool	20,602,819	20,043,735	19,935,027	19,341,281	667,792	702,454
FUND BALANCES						
General Fund	16,021,031	17,314,742	14,857,051	16,464,133	1,163,980	850,609
Plant Fund	72,399,740	72,312,327	65,690,435	65,534,105	6,709,305	6,778,222
Building Fund	8,538,386	3,426,957	7,214,111	3,295,680	1,324,275	131,277
Funded Depreciation Fund	9,351,178	9,482,320	9,351,178	9,482,320	-0-	-0-
Board Designated Depreciation Fund	3,909,465	-0-	3,909,465	-0-	-0-	-0-
Unexpended Restricted Endowment Income Fund	2,278,911	2,173,324	2,253,033	2,153,688	25,878	19,636
Fiduciary Principal	763,813	716,198	760,128	711,768	3,685	4,430
Fiduciary Income	32,444	39,142	32,444	39,142	-0-	-0-
Temporary Fund	6,089,036	6,537,077	6,030,651	6,432,093	58,385	104,984
Endowment Funds	37,552,271	36,446,241	36,376,614	35,279,117	1,175,657	1,167,124
	156,936,275	148,448,328	146,475,110	139,392,046	10,461,165	9,056,282
	$230,250,994	$196,714,765	$215,702,746	$184,102,890	$14,548,248	$12,611,875

MASSACHUSETTS GENERAL HOSPITAL
OPERATING STATEMENT

	Current Year October 1, 1975 September 30, 1976	Previous Year October 1, 1974 September 30, 1975
CENSUS		
Patient Days	357,390	353,325
Average Daily Census	976	968
Percent of Occupancy	90.08	89.30
(Complement-Number of Beds)	1,084	1,084
INCOME		
Routine	$ 55,437,336	$ 48,647,925
Ancillary	51,790,207	44,259,745
Ambulatory Care	21,475,050	17,033,065
Other Patient & Non-Patient Income	14,275,533	21,700,121
Total Operating Income	142,978,126	131,640,856
DEDUCTIONS FROM INCOME		
Free Service - Hill-Burton	100,326	100,190
Free Service - Inpatient	1,804,086	522,364
Free Service - Outpatient	2,141,513	926,423
Medicare Allowance	3,214,495	2,838,086
Blue Cross Allowance	1,696,400	799,580
Welfare Allowance	2,923,038	1,791,615
W.C.A. Allowance	265,598	177,286
Courtesy Allowance	10,977	9,129
Miscellaneous	228,415	140,548
Provision for Doubtful Accounts	1,424,845	2,478,059
Total Deductions from Income	13,809,693	9,783,280
NET OPERATING INCOME	129,168,433	121,857,576
EXPENSES		
Salaries & Wages (Nurses)	18,477,067	17,444,631
Salaries & Wages (Other)	54,492,266	54,614,424
Supplies	22,949,083	18,173,979
Outside Services	4,992,631	4,552,007
Depreciation	4,577,324	3,906,511
Other Expenses Including Interest	25,395,738	24,955,146
Total Expenses	130,884,109	123,646,698
OPERATING SURPLUS OR (DEFICIT)	(1,715,676)	(1,789,122)
OTHER INCOME		
Treasurer's Income	2,057,899	1,837,427
Less - Treasurer's Expense	347,209	310,563
NET TREASURER'S INCOME	1,710,690	1,526,864
SURPLUS OR (DEFICIT)	($4,986)	($262,258)

McLEAN HOSPITAL
OPERATING STATEMENT

(For year ending September 30, 1976)

CENSUS	1976	1975
Patient Days	100,258	95,077
Average Daily Census	274	260
Percent of Occupancy	84%	81%
Number of Beds Available	328	320
INCOME		
Room and Care	$15,273,385	$12,862,600
Day and Night Care	844,802	781,741
Outpatient Clinic	584,537	589,920
Other Patient Income	2,433,015	2,035,686
Other Nonpatient Income	1,160,458	884,001
	$20,296,197	$17,153,948
DEDUCTIONS FROM INCOME		
Free Service — Inpatients	555,231	383,723
Free Service — Day and Night	5,446	25,565
Free Service — Outpatient Clinic	85,414	246,850
Medicare Allowance	248,743	68,278
Blue Cross Allowance	466,350	37,297
Public Agencies Allowance	123,532	530
Provision for Doubtful Accounts	649,808	278,834
TOTAL DEDUCTIONS FROM INCOME	$ 2,234,524	$ 1,041,077
NET OPERATING INCOME	$18,061,673	$16,112,871
EXPENSES		
Salaries and Wages Nursing	4,483,088	3,916,441
Salaries and Wages Other	7,839,765	7,093,775
Total Salaries and Wages	$12,322,853	$11,010,216
Supplies	998,115	916,543
Outside Services	1,488,120	1,274,419
Depreciation	545,415	498,424
Other Expenses	2,595,975	2,426,818
TOTAL EXPENSES	$17,950,478	$16,126,420
OPERATING SURPLUS OR (DEFICIT)	111,195	(13,549)
OTHER INCOME		
Treasurer's Income	170,772	131,629
Less Treasurer's Expense	31,637	28,810
NET TREASURER'S INCOME (DEFICIT)	$ 139,135	$ 102,819
NET SURPLUS OR (DEFICIT)	$ 250,330	$ 89,270

GENERAL HOSPITAL AND MCLEAN HOSPITAL COMBINED STATEMENT OF CHANGES IN FINANCIAL POSITION UNRESTRICTED FUND

	1976	1975
FUNDS PROVIDED		
Loss from operations	$(1,176,719)	$(1,271,078)
Charges to operations not requiring funds		
Provision for depreciation	5,122,739	4,404,939
Amortization of bond discount and expenses	50,399	
Nonoperating revenues, net of associated expenses	1,286,398	1,036,997
Funds provided from operations and nonoperating revenues	5,282,817	4,170,858
Gifts and bequests	2,489,987	2,428,025
Revenue bonds issued	30,000,000	
Restricted funds transferred	2,888,141	2,542,089
Decrease in long-term investments	198,696	
Investment income	404,820	369,096
Plant funds provided by restricted funds	1,815,237	1,406,994
Collection of notes receivable		254,500
(Increase) decrease in working capital	(6,426,998)	9,506,024
	$36,652,700	$20,677,586
FUNDS APPLIED		
Additions to construction and plant - net	$20,190,315	$14,965,225
Increase in construction and debt service assets	16,052,042	153,072
Increase in long-term investments		4,503,402
Purchase of non-current assets	162,535	626,133
Reduction of long-term debt	223,087	420,046
Other	24,721	9,708
	$36,652,700	$20,677,586

CHANGES IN COMPONENTS OF WORKING CAPITAL	1976	1975
Increase (decrease) in current assets		
Accounts receivable - net	$(2,449,919)	$ 448,384
Inventory	(233,705)	9,942
Prepaid expenses	635,701	316,569
Estimated contractual adjustments	(1,048,204)	(46,863)
	(3,096,127)	728,032
(Increase) decrease in current liabilities		

Current maturities of long-term debt	(17,885)	(5,220)
Notes payable to bank	9,500,000	(9,000,000)
Loans from investment pool	4,710,000	(6,900,000)
Due to (from) other funds	(581,883)	6,374,404
Accounts payable	(1,768,997)	167,384
Accrued liabilities	(630,818)	(865,905)
Deffered revenue	(188,685)	(4,719)
Estimated contractual adjustments	(1,498,607)	-0-
	9,523,125	(10,234,056)
INCREASE (DECREASE) IN CAPITAL	$6,426,998	$(9,506,024)

MASSACHUSETTS GENERAL HOSPITAL
STATEMENT OF EXPENDITURES

	October 1, 1975-Sept. 30, 1976		October 1, 1974-Sept. 30, 1975	
RESEARCH FUND EXPENDITURES				
Contract				
Salaries & Wages	$ 1,887,685.00		$ 1,855,152.00	
Supplies & Expenses	1,881,068.00	$ 3,768,753.00	1,944,776.00	$ 3,799,928.00
Gifts & Grants				
Salaries & Wages	$ 8,042,966.00		$ 7,126,062.00	
Supplies & Expenses	10,141,942.00		8,290,143.00	
	18,184,908.00	18,184,908.00	15,416,205.00	15,416,205.00
Miscellaneous Income	(1,415,546.00)		(1,843,849.00)	
Net Expenses	$19,600,454.00		$17,260,054.00	
Training Grants				
Salaries & Wages	$ 2,132,613.00		$ 2,311,756.00	
Supplies & Expenses	664,436.00		747,939.00	
	$ 2,797,049.00	2,797,049.00	$ 3,059,659.00	3,059,695.00
OTHER FUND EXPENDITURES				
Contract				
Wages & Salaries	$ 685,959.00		$ 650,620.00	
Supplies & Expenses	2,416,970.00	3,102,929.00	2,105,677.00	2,756,297.00
Other Special Purpose Funds				
Salaries & Wages	$ 1,903,345.00		$ 1,674,005.00	
Supplies & Expenses	1,781,181.00		1,420,530.00	
	$ 3,684,526.00	3,684,526.00	$ 3,094,535.00	3,094,535.00
Miscellaneous Income	1,165,403.00		1,618,147.00	
Net Expense	$ 2,519,123.00		$ 1,476,388.00	
GROUP PRACTICE ACCOUNTS				
Salaries & Wages	$ 6,629,210.00			
Supplies & Expenses	4,229,306.00			
	$10,858,516.00	10,858,516.00		
Miscellaneous Income	11,918,525.00			
Net Surplus or (Deficit)	$ 1,060,009,00			
TOTAL FUND EXPENDITURE		$42,396,681.00		$28,126,660.00

THE MASSACHUSETTS GENERAL HOSPITAL
GENERAL HOSPITAL AND McLEAN HOSPITAL
PRINCIPAL AND TEMPORARY FUNDS
(September 30, 1976)

PRINCIPAL FUNDS

GENERAL HOSPITAL FUNDS

GENERAL FUND

FOR ANY HOSPITAL PURPOSE	$14,857,051

ENDOWMENT FUNDS

FLORENCE M. AGOOS MEMORIAL FUND For developing and furthering medical research and scientific medical knowledge through research and teaching. Bequest of Solomon Agoos.	$10,000
FULLER ALBRIGHT FELLOWSHIP FUND Income to support a senior Fellowship in the Neurology Service.	27,534
ARTHUR W. ALLEN RESIDENTS' TEACHING FUND Under the direction of the Chief of the Surgical Service.	64,560
PHILIP R. AND ANNE L. ALLEN ENDOWMENT FUND Income for any Hospital purpose.	80,283
LARZ ANDERSON FUND For the benefit of the Arthritic Outpatient Department.	118,241
CAROLINE BUTLER ATWOOD FUND Income for any Hospital purpose.	51,000
HENRY K. BEECHER RESEARCH FUND Income to be used for anesthesia research or such other advantages as the Trustees may determine for the Chief of the Anesthesia Department.	168,063
MARTHA B. ANGELL FUND For medical and surgical experimentation on animals to the end of saving human lives.	34,041

	PRINCIPAL
WILLIAM APPLEBAUM FUND Income for improvement of medical care under the direction of Chief of Medical Services.	48,439

ARCHIVES, PICTURES, AND HISTORICAL RELICS FUND 8,167
The income of which shall be used for the continuous and better care of hospital archives, pictures, and historical relics pertaining to both the General Hospital and the McLean Hospital.

JOHN ASHTON FUND 65,186
For diseased and wounded soldiers.

DR. EDWARD CARLETON ATWOOD FUND 627,654
Income for any Hospital purpose.

JOSEPH C. AUB FUND 22,450
Income to be spent for cancer investigation.

JOSEPH C. AUB AND IRA T. NATHANSON FUND 250,000
Income for scholars in oncology.

BAKER MEMORIAL FUND 827,402
For the Baker memorial.
Sundry Bequests.

BAKER MEMORIAL ASSISTANCE FUND 11,480
Income to help pay the hospital expenses of such individual patients of small means as are believed to have incurred hospital expenses greater than they anticipated at the time of entering the Hospital—but not limited to such cases. Disbursements to be made on recommendation of staff member in charge of patient approved by Committee designated in will. Income may also be used to purchase apparatus suitable for handling fractures and operations.

GERARDO M. AND LILLIAN DOBIE BALBONI MEMORIAL FUND 39,148
Income for a Free Bed or for any other purpose the Trustees of the Hospital may think best.

JOSEPH S. BARR MEMORIAL FUND 59,135
For Research and Teaching under the direction of the Chief of the Orthopaedic Service.

HENRY K. BEECHER HONORARY LECTURESHIP FUND 10,879
Under the direction of the Chief of the Anasthesia Service.

DR. EDWARD BENEDICT FUND 8,841
For thoracic surgery and endoscopy under the Chief of the Surgical Service.

EDWARD L. BIGELOW FUND 10,000
Income for any hospital purpose.

ARTHUR W. BLAKE FUND 25,000
Income for the study and cure of nervous diseases.

EDWARD F. BLAND FUND — 88,015
Income to be used for the furtherance of cardiac research and related activities.

GEORGE WASHINGTON WALES BREWSTER MEMORIAL FUND — 6,289
Income for any Hospital purpose.

ANNIE BOLTON MATTHEWS BRYANT FUND — 72,094
Income for the benefit of people with moderate means for the establishment of free beds if the management believes it advisable, otherwise for general use.

MILDRED S. AND MORRIS BURSTEIN FUND — 11,208
Income for cardiac research.

ARTHUR TRACY CABOT FUND — 20,000
Income for support of laboratories.

RICHARD C. CABOT FUND — 51,505
For educational purposes in connection with the work of the Social Service Department.

RICHARD C. CABOT MEDICAL SCHOOL LIBRARY FUND — 1,010
Income to be used for the purchase of books for the Social Service Library under the direction of Chief of Social Service.
Gift of American Association of Hospital Social Workers.

SAMUAL CABOT FUND FOR PATHOLOGICAL INVESTIGATION — 10,000
Income for salary of surgical pathologist.
Gift of Samuel and Dr. Arthur T. Cabot.

CANCER RESEARCH ENDOWMENT FUND — 355,709
For research in Cancer.

IDA M. CANNON MEMORIAL FUND — 22,380
Income to be spent for Social Service in medical care under the direction of the Advisory Committee to the Social Service Department.

FRANZ WEBSTER CARTER FUND — 2,904,051
Income for any Hospital purpose.

EDWIN F. AND LOUISE CAVE TRAVELING FELLOWSHIP FUND — 131,286
Income for post-training travel for residents of the Orthopaedic Surgery Service.

MASSACHUSETTS GENERAL HOSPITAL CHAPEL FUND — 7,013
Gifts of "Friends of the Hospital".

ETHEL WALCOTT CHASE MEMORIAL FUND — 1,000
Income to be used as may be deemed best by the Advisory Committee of the Social Service Department.

MASSACHUSETTS GENERAL HOSPITAL ENDOWMENT FUND FOR THE STUDY OF CHRONIC DISEASES 1,092,883
Fund raised by Drs. Walter Bauer, Chief of the Medical Service and James Jackson, Professor of Clinical Medicine 1951-64; income to be used for research work on chronic diseases in the Medical Department.

EDWARD D. CHURCHILL FUND 25,007
Income to be used for the benefit of the Surgical House Staff.

CLINICAL LABORATORY FUND 10,000
Income for clinical laboratory.
Bequest of Mrs. Grace M. Kuhn.

CONNECTING BUILDING FUND 10,000
Income for connecting building.

CONVALESCENT HOSPITAL FUND 412,019
For the Convalescent Hospital.

WILLIAM C. AND JESSIE B. COX SCHOLARSHIP FUND 248,086
Income for scholarships and other aid for student nurses in the MGH School of Nursing.

LORETTA JOY CUMMINS FUND 36,452
For general purposes of the Hospital, but preferably for the Skin Department.

CUSHMAN FUND 10,000
Income for the Social Service of the Hospital.
Gift of Mrs. Charles F. Cushman.

MIRIAM F. AND ADELINE F. CUTTER FUND 10,000
"To be used for women in illness, especially the aged who have been accustomed to gentle care."

JOHN CALL DALTON AND EDWARD BARRY DALTON FUND 35,500
Income for investigation in the science of medicine.

CHESTER H. DAVIS FUND 20,000
Income for "the care, maintenance and medical treatment of crippled and deformed children between the ages of six months and ten years."

DR. WALTER J. DODD MEMORIAL FUND 32,620
Income for X-ray investigation.

BESSIE ROCHESTER EDWARDS MEMORIAL FUND 66,164
Income for the care and treatment of men who have served or are serving in the armed forces of the United States of America.

Gifts of Trustees of The Bessie Rochester Edwards Memorial Foundation	$55,914	
Disabled Ex-Servicemen's Exchange, Inc.	10,250	

EDWARDS MEMORIAL FUND — 4,639

Until such time as the Trustees of the Hospital shall direct otherwise, the income on $100,000 to be used in such manner as said Trustees may deem proper for medical or surgical research.

JOHN W. ELLIOT FUND — 20,214

Income for investigation in the science of medicine, preferably in the Surgical Department. The income may be used for other purposes in case there is no further demand in this direction.

ISABELLA H. ELLISON FUND — 89,753

Income for the general purposes of the Baker Memorial.

SARAH POTTER EVARTS FUND — 1,399

For psychiatric work.
Gifts of Mrs. Prescott Evarts and Dr. Helen W. Evarts.

EYEGLASS FUND — 2,282

For children that are needy and do not come under any other fund. The age to cover children from kindergarten through sixth grade only — preferably for West End children.

DR. NATHANIEL W. FAXON FUND — 5,000

Income only to be used for the support of the Archives, the *MGH News,* or some similar publication.

FRANCES FAY AND ARTHUR KELSEY FAY MEMORIAL FUND — 25,000

Income primarily for care and treatment of persons suffering from or threatened with chronic epilepsy in cases requiring special study.
Gift and bequest of James H. Fay.

EDITH S. AND FRANCIS B. FISHER MEMORIAL FUND — 80,025

To be used both as to principal and any income to purchase therapeutic appliances for needy crippled or deformed patients of Massachusetts General Hospital and to assist needy cripled or deformed patients of said hospital in adapting to the use of therapeutic appliances as directed by the Social Service Department.

NANCY M. FRASER MEMORIAL FUND — 6,520

Income for scholarships to some deserving students in the School of Nursing.

FREE BED FUNDS 4,996,449
Income for free beds.
Sundry Gifts and Bequests

GEBBIE FUND 514,035
For support of teacher investigators under the direction of the Chief of the Orthopaedic Service.

GENERAL SURGERY FUND 51,596
Income to be used for general surgery purposes under the direction of the Chief of General Surgery. Principal expendable in need.

MRS. JOHN CHIPMAN GRAY FUND 1,000
For the purchase of books in foreign languages for the use of patients.

ALLAN W. HAMILTON FUND 2,027
For medical services in the Outpatient Department.

ABIGAIL R. HAZELTINE FUND 10,000
Income unrestricted until the establishment of a cancer or incurable ward, then to the maintenance of same; principal may be applied toward a building for this purpose. Bequest of Miss Harriet S. Hazeltine.

ISABELLE ORAM HERTELL FUND 43,671
For maintenance, support, and improvement of the hospital, or of its services, or in the interest of the public health.

WILLIAM HILTON FUND 50,054
"To be invested as a separate fund, and called 'The William Hilton Fund,' the income thereof to be applied for the support of free beds or otherwise, as the trustees shall from time to time deem best, for the poor suffering from disease or injuries."

MIRA H. HOFFMAN MEMORIAL FUND 50,000
Income to be used for the general purposes of the Phillips House.

CHARLES W. HOLTZER FUND 41,667
Income for general research work.

INCOME UNRESTRICTED FUNDS 5,447,676
Income for any Hospital purpose.
Sundry gifts and bequests.

JAMES MARSH JACKSON MEMORIAL FUND 25,797
Income for occupational work or for general purposes. Gift through Trustees of the James Marsh Jackson Memorial Fund.

CHESTER MORSE JONES HOUSE STAFF EDUCATIONAL FUND 71,218
Income only to be spent to increase the educational oppor-

tunities for the House Staff through contact with eminent men in the field of medicine either at the Hospital or away.

DANIEL FISKE JONES MEMORIAL FUND 19,614
Income to extend and improve the education of surgical residents and interns.

PHILIP C. JOSLIN MEMORIAL FUND 8,655
Income for research in Parkinson's Disease.

VARAZTAD H. KAZANJIAN FUND 689,254
For rehabilitation through plastic and reconstructive surgery.

CATHERINE PEIRCE KELLEY FUND 46,025
Income for support and maintenance of a free bed for women....aiding those who are most in need of aid. Bequest of Miss Grace Fletcher Kelley.

JOSEPH P. KENNEDY, JR. LABORATORIES FUND 500,000
To bring to the laboratories the best possible research men with an interest in mental retardation.

JOHN S. KNIGHT SURGICAL RESEARCH AND EDUCATIONAL FUND 116,200
Income for charitable, educational, and scientific purposes of the hospital.

EMMA GILDERSLEEVE LANE FUND 20,000
For cancer research "preferring but not requiring that this legacy be kept as capital and only its income used for research in cancer."

THE ISABEL FABYAN LOMBARD FUND 5,005
For the comfort and/or entertainment of nurses in the Hospital.

JOHN R. MACOMBER QUADRANGLE FUND 5,000
Income for the maintenance of the Macomber Quadrangle.

MALLINCKRODT FUND 2,398,561
Income only to be used for the support of the Mallinckrodt Ward (Ward 4) with limited discretion to the Trustees in case this support is no longer needed.

FRANCIS COGSWELL MANNING FUND 25,299
Income for research work under the direction of Chief of the Medical Service.

CAPTAIN MARTELL FUND 121
"The interest to be used for the annual purchase of a book or books for the Warren Library, these books to be seafaring stories with the story of Captain Martell pasted on the inside cover of each one."

MASSACHUSETTS GENERAL HOSPITAL SCHOOL OF NURSING GRADUATE NURSES SCHOLARSHIP FUND 517
Income for Graduate Nurse Scholarships.
Gift of Miss Annabella McCrae.

MARY LOU McCARTHY MEMORIAL FUND 14,137
Income for education and research in radiation medicine.

ADELAIDE McCLELLAND FUND 18,742
Income for any Hospital purpose.

JAMES HOWARD MEANS FUND 30,150
To be used under the direction of the Chief of Medical Service primarily towards bringing to the Hospital on a pro tempore basis physicians or other prominent persons whose presence will aid and advance the work of the Medical Service.

MEDICAL ONCOLOGY DIRECTOR'S FUND 500,115
To support the Director of Medical Oncology.

JAMES C. MELVIN FUND 671,811
Subject to certain annuities, income for any purpose of the Corporation, with nonobligatory suggestion for increasing medical knowledge, assisting persons, particularly the young, who have had hospital treatment, bettering treatment in country districts and co-operating with the Trustees under the Will of James C. Melvin.
Bequest of Mrs. Clara M. Melvin.

MEMORIAL FUND TO THE DOCTORS AND NURSES WHO DIED IN THE WAR OF 1917-18 6,189
Income for the general purposes of the Hospital, but preferably for free care of patients. Gift of Base Hospital No. 6 Fund through the Ladies' Visiting Committee.

VALERIE VEASY MILLER FUND 500,000
Income for any Hospital purpose.

ALBERT G. MITCHELL FREE BED FUND 21,374
Income for the treatment of cancer with non-obligatory suggestion that use of the bed to given members of the Department of Music in the Boston Public Schools, or otherwise for the use of the teachers of said schools.

MITTON FUND 77,675
Income to be used for General Surgery purposes under the direction of Dr. Russell.

MIXTER FUND 88,765
"...the income only to be expended under the direction of Dr. W. Jason Mixter, during his life, and thereafter by the Chief of the Neurosurgical Service."

FORRIS JEWETT MOORE AND EMMA BAKER MOORE FUND 76,143
Income for Hospital uses for the alleviation of human suffering.

FANNIE EDSON MORRISON FUND 711,321
"Income....for the support of the Social Service Department."

FRANCIS A. NEWELL ENDOWMENT FUND 50,000
Income to be used "for the most approved method of treating hip disease due to accident in indigent children."

NORTH END DIET KITCHEN RESTRICTED FUNDS 11,367
"Income to provide diet for the sick poor."

NORTH END DIET KITCHEN UNRESTRICTED FUNDS 34,717
"To provide diet for the sick poor."

FLORENCE NUTE FUND 68,279
To be "used on behalf of patients with slender or no means with which to meet Hospital expenses."
Bequest of Lewis W. Nute.

ROBERT BAYLEY OSGOOD LECTURESHIP FUND 23,074
For an annual lectureship in Orthopaedics.

DR. ALICE IRENE OUTHOUSE MEMORIAL FUND 530
Income to be used for the purchase of pediatric literature for the Treadwell Library.

OUTPATIENT DEPARTMENT FUND 14,105
Income for needy patients.

EMERETTE O. PATCH FUND 8,241
For the use of the Baker Memorial.

PATHOLOGICAL LABORATORY AND RANDALL FUNDS 83,875
Income for Pathological Laboratory.

JACOB C.R. PEABODY AND ELSA MASON LORD PEABODY MEMORIAL FUND 79,855
Income for the Phillips House.

ELIZABETH ANNE PETERSON MEMORIAL FUND 20,678
Income to further the work of the Neurological Service.

PHILLIPS HOUSE NURSES LOAN FUND 2,690
Income for loans for Phillips House nurses.

MARY GOVE PITMAN FUND FOR UROLOGICAL RESEARCH 21,051
Income for investigation —
First: Of the cause, treatment, and prevention of recurrence of urinary stones, and

Second: Of any other pathological or physiological problems encountered in urological surgery which are deemed worthy of investigation, the decision as to their importance to be made by a Committee appointed by the Trustees of the Hospital.

MGH RADIOLOGY ENDOWMENT FUND 23,218
Under the direction of the Radiologist-in-Chief.

JOHN REDMAN FUND 455,113
Income for any purpose except erection or repairs of buildings.

EDWARD PIERSON RICHARDSON LECTURESHIP IN MEDICAL SCIENCE 15,000
"The income to be used to provide honoraria for lectures by visiting scientists, preferably in subjects relating to surgery—"
Gifts of Dr. Richardson's sons in memory of their father.

JOHN FYFFE RICHARDSON MEMORIAL FUND 36,779
Income only to be spent by the Trustees on recommendation of the Chief of the Huntington Memorial Laboratories or the senior cancer investigator preferably for leukemia research or related areas of cancer research. Five percent of income to be added to principal each year until the fund reaches $400,000.

MAURICE HOWE RICHARDSON FUND 40,400
Income for surgical research, as recommended by the Chief of the General Surgical Staff.

RICHARDSON TUBERCULOSIS FUND 276,142
"For the prevention or cure of tuberculosis."
Bequest of Mrs. Mary Rich Richardson.

MARIAN MAHIN ROBB MEMORIAL FUND 15,544
Income for cancer research.

ELSIE M. ROBBINS SOCIAL SERVICE FUND 12,815
For social service purposes in the Arthritis Clinic.

WILLIAM MILTON ROSE, M.D., MEMORIAL FUND 44,767
Income for the benefit of worthy needy patients.

CARTER R. AND MARY M. ROWE ORTHOPAEDIC TEACHING FUND 61,383
Income to support teaching and educational opportunities in the Orthopaedic Service.

MARY ELIZABETH SALTONSTALL FUND 5,000
Income for the Social Service of the Hospital, "preference being given for the help and care of little children."
Bequest of Philip L. Saltonstall.

MARTHA A. SARGENT FREE BED FUND 1,092,228
Income for Free Beds in the Women's Department.
Bequest of William A. Sargent.

SCHOOL OF NURSING SCHOLARSHIP FUND 43,299
For scholarships at the School of Nursing.

CHARLES L. SCUDDER FUND 30,400
Income for the Fracture Service.
Bequest of Miss Elizabeth M. Garritt.

GEORGE C. AND ANNIE H. SHATTUCK FUND 2,000
Income for music at the General Hospital annually on Christmas Day and Easter Sunday. Surplus income may be used for music on other days, including radio. Gift of Dr. Frederick S. Shattuck.

WALTER K. SHAW, JR., MEMORIAL FUND 20,305
For medical oncology under the direction of the Chief of the Medical Service.

SHEPARD-GILL SCHOOL 138,387
Income for operating Louise A. Gautzbach, Sophie K. Rousmaniere and Helen Storrow Endowment Fund under the direction of Director of School.

SHEPARD-GILL SCHOOL 5,000
Armenia Young Endowment Scholarship Fund under the direction of Director of School.

SHEPARD-GILL SCHOOL 4,804
Shepard-Gill Revolving Loan Fund under the direction of Director of School.

TERRY SHUMAN MEMORIAL FUND 2,020
Income for additions to the Library of the Neurology Department of books on research, periodicals, reports or publications, etc.

ELSIE SKOLNICK MEMORIAL FUND 13,000
Income or principal can be employed by Trustees to promote Hospital purposes or functions. Fund under direction of the Chief of Staff of the Vincent Memorial.

EMMA H. SLADE FUND 19,056
For any Hospital purpose, but preferably to provide particularly for those in the middle ranks of life who need such care.

BARBARA AND MARSHALL SLOANE CANCER FUND 4,305
Income for research in radiation medicine under the Chief of Radiation Medicine.

SMITH-PETERSON FOUNDATION FUND 219,110
To provide medical and surgical care of indigent persons and for research in orthopedics under the direction of the Chief of the Orthopaedic Service.

SOCIAL SERVICE FUND 134,035
Income for Social Service.

REBECCA W. SPINDLER FUND 9,652
Income for Hodgkin's Disease under the direction of the Huntington Memorial Laboratories.

CHARLES CHESLEY SPRINGER FUND 345,021
"Income for the relief of soldiers, sailors or marines who have been in the military service of the United States and who are residents of Massachusetts, and for the relief of their families. If at any time there should not be any soldiers, sailors, marines or their families requiring such relief, the income may be applied to any of the purposes of the Hospital."
Bequest of Miss Mary W. Springer.

HOWARD W. AND ELIZA (PEASE) SPURR FUND 180,017
Income for general purposes.

STAFF MEMORIAL FUND 7,769
Income to be expended by direction of the General Executive Committee.

ISAAC STEBBINS FUND 85,229
Income only to be used for the purpose of medical, surgical, convalescence, and/or health care for the poor and needy residents of Chelsea.

ROBERT H. STEVENSON MEMORIAL FUND 70,000
Incomed to be spent by the Trustees on recommendation of the Chief of Surgical Service for maintenance and upkeep including equipment and alterations of the areas designated as the Robert H. Stevenson floor (3A) of the Gray Building.

DEWEY D. STONE FUND 10,117
Income to be used for research on Parkinson's Disease.

SURGICAL INSTRUMENT FUND 6,475
Income for special surgical instruments.

GEORGE N. TALBOT FUND 19,595
Income for Children's Medical Department as directed by Chief of Service.
Bequest of George N. Talbot and Gifts of Dr. Fritz B. Talbot.

MRS. NATHANIEL THAYER FUND 10,000
Income to be used "preferably for the Social Service Department."

ANNIE A. LONGFELLOW THORP MEMORIAL FUND 4,040
Income for Warren Library.

THYROID LABORATORY FUND 6,613
Income only for the Thyroid Laboratory.

ANGIOLINA TORCHIA FUND 85,257
Income for cancer research.

TRAINING SCHOOL FOR NURSES FUND 41,038
Income for Training School for Nurses.
Sundry Gifts and Bequests.

TREADWELL LIBRARY FUND 8,785
Income for the Treadwell Library.

LAWRENCE TUCKER FUND 429,753
So far as expedient for the treatment and alleviation of venereal diseases, and otherwise for the general purposes of the Hospital.

WALTER F. AND MABEL E. UNDERWOOD FUND 115,493
Means for medical research for the care and prevention of children's diseases, particularly cancer.

UROLOGICAL PERIODICALS FUND 1,000
Income for purchase of urological periodicals for Staff Room of Urological Ward.
Gift of Dr. Channing S. Swan.

BETH VINCENT FUND 100,938
Income to be used for research under the direction of the Chief of Surgical Service.

VOLUNTEER DEPARTMENT FUND 3,663
Income to further the work of the volunteer services.

BERTHA K. WAGMAN FUND 5,405
The income of this fund, upon recommendation of Dr. Rita Kelley, is to be spent by the Trustees for research, teaching, patient care, or anything else consistent with her wishes.

FRANCIS KNOWLES WARREN FUND 30,125
Income for the general purposes of the Hospital; principal available in emergency.
Bequest of Mrs. George E. Warren.

WARREN LIBRARY FUND 5,067
Income for books for patients.
Sundry Gifts and Bequest.

DEPENDENCE S. AND WALTER B. WATERMAN FUND 134,574
"Income to be applied to the care of those who can pay something but not all."
Bequest of Walter Bowen Waterman.

WETHERILL FUND 2,000
Income to be used for the Wetherill Awards to graduates of the Massachusetts General Hospital School of Nursing.

EDWIN AND RUTH M. WHITE FUND 52,106
Income for the support of Oncology.

GEORGE ROBERT WHITE FUND 4,119,818
To be held as a permanent fund to be known as the George

Robert White Fund, the income only to be used for the maintenance and equipment of the George Robert White Memorial building and second for the general purposes of the Hospital.
Bequest of Mrs. Harriet J. Bradbury.

WARREN PRIZE FUND		11,890
Income for a triennial prize. Bequest of Dr. J. Mason Warren.		
GEORGE ROBERT WHITE FUND		120,410
"Income for development or maintenance of a department for treatment of diseases of the skin." Bequest of George Robert White.		
DR. JAMES C. WHITE NEUROSURGICAL FUND		7,144
Income to be added to principal until the fund reaches $5,000; thereafter 50% shall be added until the fund reaches $10,000; and thereafter 25% to $50,000. Income not so added to principal to be used in the interest and promotion of neurosurgery under the direction of Dr. James C. White.		
JAMES C. WHITE FUND FOR NEUROSURGICAL PRECEPTORSHIP		118,464
Income for an annual lecturer and such other purposes as a preceptorship or fellowship under the direction of the Chief of Neurosurgery.		
WHITEHOUSE-FOSTER MEMORIAL FUND		20,311
Income to be used by the Social Service Department for needy patients under the Director of Social Service.		
GEORGE WIGGLESWORTH FUND		65,009
Ten per cent of gross income in each year to be added to principal; net income remaining for the general purposes of the Corporation.		
DR. RALPH H. WILLIARD III, SURGICAL RESIDENTS' FUND		10,872
Income to be used for the Surgical Residents at the MGH under the direction of the Chief of the General Surgical Services.		
WOODEN LEG FUND		7,600
Income for wooden legs and other devices for diseased and injured legs.		
Bequest of Nathaniel I. Bowditch	$5,000.00	
Sundry Gifts	2,600.00	
TOTAL ENDOWMENT FUNDS		$5,759,371

REPORT OF THE TREASURER

FIDUCIARY FUNDS

	PRINCIPAL
BETTY DUMAINE FUND To be held until accumulated income plus additions reach $100,000, then one-half of income to be added to principal and balance used for such Hospital purposes as Trustees deem best.	9,414
FOSTER FAMILY FUND "Income to be used to pay the hospital bills of patients nominated by the donor or his wife. After their decease the power of nomination shall descend in succession to their oldest child living, then grandchild. Thereafter, or in case the line of descent shall cease, the income shall be for the unrestricted uses of the Hospital." Gift of C.H.W. Foster.	15,000
HELEN ROTCH GRAY FUND Income to be made available to the Ladies Visiting Committee for such uses or expenses connected with the hospital as such committee shall from time to time determine.	7,344
MABEL HOVEY HARRIS MEMORIAL FUND "In Memory of Mrs. Henry W. Harris" Income to be used at the discretion of the Ladies' Visiting Committee for the benefit of the Hospital and its patients. Gift of Mr. and Mrs. Edwin S. Webster.	5,375
SARAH PROCTOR JOSLIN FUND Income to be expended by the Ladies' Visiting Committee for books and other articles.	1,000
MARION LEE LAWRENCE MEMORIAL FUND Income to be administered by the Ladies' Visiting Committee, or by any subcommittee duly authorized by them, for the benefit of the Hospital and its patients. Given by "Her Family and Friends."	14,329
MASSACHUSETTS GENERAL HOSPITAL SCHOOL OF NURSING ENDOWMENT FUND Income to be used as directed by vote of the Committee created under the Deed of Gift.	515,481
FANNIE NEWALL SIMES FUND Income payable to a life interest. Gift of Miss Olive Simes.	20,000
ANNIE NORTON WARD FUND For charitable purposes connected with the Hospital pursuant to the vote of the Ladies' Visiting Committee.	1,000

KATHARYN HOYT WATSON FUND For use of the Ladies' Visiting Committee.	1,000
SUSPENSE AND SPECIAL FUNDS	49,178
TOTAL FIDUCIARY FUNDS	$639,121
BUILDING FUNDS	
GENERAL HOSPITAL	$7,214,111
DEPRECIATION FUNDS	
GENERAL HOSPITAL	13,260,643
TOTAL GENERAL HOSPITAL PRINCIPAL FUNDS	$71,730,297

REPORT OF THE TREASURER

McLEAN HOSPITAL FUNDS
GENERAL FUND

	PRINCIPAL
For any hospital purpose	$1,163,980

ENDOWMENT FUNDS

EDWARD STANLEY ABBOTT MEMORIAL FUND For scientific investigation at McLean Hospital.	$10,000
AMUSEMENT, ENTERTAINMENT OR OCCUPATION FUND Income for amusement, entertainment, or occupation of patients.	21,135
WENTWORTH HIGGINSON BARNEY FUND Income to be spent at the discretion of the Director.	6,872
MARION IRELAND BENTON TRUST Income for geriatric research.	42,500
MARION IRELAND BENTON TRUST Income for research and treatment of youngest patient group.	42,500
EMILY H. BOURNE FUND Income for the training of nurses in mental nursing and to aid in the prevention and cure of deafness.	10,000
CLINICAL RESEARCH FUND Income for research. Sundry Gifts and Bequests.	86,118
ISOBEL COLLINS SPECIAL FUND FOR THE LIBRARY OF McLEAN HOSPITAL Income for the purchase of books, music, and other things appropriate to the building up of a musical alcove for the library. Gift of Frank W. Kimball.	1,076
COWLES-TUTTLE MEMORIAL ART FUND Income for Art Room.	5,000
SAMUEL ELIOT MEMORIAL CHAPEL FUND For maintenance and operation of Chapel	11,005
FREE BED FUNDS Income for Free Beds. Sundry Gifts and Bequests.	356,220
CLARA McALLISTER GWALTNEY MEMORIAL FUND The income to be used by the Appleton Treatment Center for the needs of the patients.	10,000

INCOME UNRESTRICTED FUNDS Income for any Hospital purpose. Sundry Gifts and Bequests.	171,205
ANNABELLA McCRAE SCHOLARSHIP FUND Income for Scholarships for the School of Nursing.	34,637
MARY JESSIE WILLIS MEMORIAL FUND To establish a free bed in memory of Mary Jessie Willis, to furnish luxuries, comforts and amusements to such insane women patients as may be unable to provide the same for themselves, and generally for the uses of the Hospital. Bequest of Mrs. Frances H. Willis.	24,285
TOTAL ENDOWMENT FUNDS	$987,053

THE MASSACHUSETTS GENERAL HOSPITAL

GIFTS AND BEQUESTS

(For year ended September 30)

PRINCIPAL FUNDS

GENERAL HOSPITAL FUNDS

GENERAL FUNDS

		Principal
For Any Hospital Purpose		
Bequests		$ 276,052.97
Gifts		83,312.74
		$ 359,365.71

ENDOWMENT FUNDS

Arthur W. Allen Residents' Teaching Fund		
In memory of Miss Marie Chandler	200.00	
Gifts	2,200.00	$ 2,400.00
Joseph C. Aub & Ira T. Nathanson Scholars Fund		
Gift		250,000.00
Baker Memorial Fund		
In memory of Mr. Robert Dempsey	335.00	
In memory of Mr. Arthur M. Hopwood, Jr.	150.00	
Bequest of Katherine W. Gonzalez	18,000.00	
Bequest of Emily Newsholme	32,136.49	50,621.49
Edward L. Bigelow Fund		
Bequest of Mr. Edward L. Bigelow		10,000.00
Edward F. Bland Cardiac Research Fund		
In memory of Mr. Nathan C. Cohen	25.00	
In memory of Mr. Oscar Mulsky	33.00	
In memory of Mr. Samuel Novoselski	113.00	
In memory of Mrs. Annie Spillberg	5.00	176.00
Cancer Research Endowment Fund		
In memory of Esther Brezner Berman	500.00	
In memory of Mr. J. Lothrop Motley	463.56	963.56
Edwin F. & Louise Cave Travelling Fellowship Fund		
Gifts		4,954.25
Cushman Fund for Social Service		
Gifts		100.00

Future Capital Purposes		
Bequest of Dr. William Sturgis Bigelow	2,932,420.65	
Brquest of Wilmont R. Evans	937,681.18	3,870,101.83
Isabelle Oram Hertell Fund		
Gift		9,114.52
Mira H. Hoffman Memorial Fund		
Bequest of Eileen M. Hoffman		50,000.00
Income Unrestricted		
Gifts	350.00	
Bequest of Maud E. Appleton Trust U/W	896.82	
Bequest of Henry Bingham Trust U/W	1,035.35	2,282.17
Philip Joslin Memorial Fund		
In memory of Philip & Dorothy Joslin	525.00	
In memory of Mrs. Mastin R. Dalton	50.00	575.00
Varazted H. Kazanjian Fund		
Gifts		1,125.00
John S. Knight Surgical & Education Fund		
Gifts		106,200.00
Isabel Fabyen Lombard Fund		
In memory of Ruth Lawrence		5.00
Walter K. Shaw Memorial Fund		
In memory of Walter K. Shaw		100.00
Francis Cogswell Manning Fund		
Bequest of Annie F. Selfridge		15,098.55
Mary Lou McCarthy Memorial Fund		
In memory of Mary Lou McCarthy	100.00	
Gifts	1,665.00	1,765.00
Adelaide McClelland Fund		
Bequest of Adelaide McClelland		5,354.95
Mixter Fund		
Gifts		600.00
Robert Bayley Osgood Lectureship Fund		
Gifts		20,574.27
M.G.H. Radiology Endowment Fund		
Gifts		23,000.00
John Fyffe Richardson Memorial Fund		
In memory of Michele Terri Abrams	15.00	
In memory of Joseph D. Coughlan	51.00	66.00

Marion M. Robb Memorial Fund		
Gift		500.00
Carter R. & Mary M. Rowe Orthopaedic Teaching Fund		
Gifts		8,949.00
Richard Saltonstall Director of Medical Oncology Fund		
Gifts		134,206.25
M.G.H. School of Nursing Scholarship Fund		
In memory of William Chenette	10.00	
Gifts	885.00	895.00
Charles L. Saudder Fund		
Gift		$400.00
Terry Shuman Memorial Fund		
Gift		50.00
Elsie Skolnick Memorial Fund		
Gifts		2,005.00
Barbara & Marshall Sloane Cancer Fund		
Gifts		65.00
Social Service Fund		
Gift		20.00
Rebecca W. Spindler Fund		
In memory of Harry T. Cullen	25.00	
In memory of David R. Muccini	50.00	
In memory of Roger W. Sawyer	20.00	
Gift	1,259.00	1,354.00
Isaac Stebbins Fund		
Bequest of Isaac Stebbins		85,463.95
Dewey D. Stone Fund		
Gift		100.00
Angiolina Torchia Fund		
Bequest of Angiolina Torchia		82,257.10
Volunteer Department Fund		
In memory of Louis Yaffe	15.00	
Gifts	56.50	71.50
Bertha K. Wagman Cancer Fund		
In memory of Fannie Goldbin	5.00	
In memory of Dorothy Gosian	5.00	
In memory of William J. McNeill, Sr.	10.00	
In memory of Mrs. Edna Shuman	206.00	
In memory of Dr. Oro & Florence Wagman	94.00	
Gifts	65.00	385.00

Edwin S. & Ruth M. White Fund		
Gifts		20,881.19
James C. White Neurosurgical Fund		
Gifts		5,025.00
James C. White Neurosurgical Preceptorship Fund		
Gifts		39,375.56
Unrestricted Free Bed Funds		
Bequest of Miss Edith S. Fisher	750.00	
Bequest of Laura E. Stegner	3,680.00	
Bequest of Alice M. Wentworth Trust U/W	5,027.20	9,457.20
Phillip W. Kent Free Bed Fund		
Bequest of Phillip W. Kent Trust U/W		15,000.00
Convalescent Hospital Fund		
Bequest of Florence Moulton Schaeffer Trust		20,969.28
		$ 4,852,607.62

FIDUCIARY FUNDS

Helen Rotch Gray Fund		
In memory of Mrs. Francis C. Gray		$ 7,343.75
MGH School of Nursing Endowment Fund		
Bequest of Mrs. Sylvia May Gagner		5,000.00
		$ 12,343.75

BUILDING FUNDS

Ambulatory Care Center		
Gift		$ 100.00
Burns Unit-White 12		
Gifts		1,756.00
Cancer Center		
Bequests	46,116.84	
Gifts	1,072,382.63	1,118,499.47
Gray Building		
Gifts	838,771.59	
Grants-U.S. Government	112,680.00	951,451.59
Miscellaneous Building Funds		
Gifts		108,406.25
		$ 2,180,213.31

McLEAN HOSPITAL FUNDS

GENERAL FUNDS

For Any Hospital Purpose		
Gifts		$ 3,645.77

BUILDING FUNDS

Children's Center		
Gifts	68,638.23	
Grants-U.S. Government	31,953.00	$ 100,591.23
Mailman Psychobiological Research Center		
Gifts		1,140,727.62
Miscellaneous Building Funds		
Gifts		10,875.00
		$ 1,252,193.85
TOTAL PRINCIPAL FUNDS		$8,660,370.01

FIDUCIARY FUNDS

MARION WETHERHILL ABBOTT MEMORIAL FUND Income to be added to principal for 25 years. Bequest of E. Stanley Abbott.	$186,411

BUILDING FUNDS

McLEAN HOSPITAL	$1,324,275
TOTAL McLEAN HOSPITAL PRINCIPAL FUNDS	$3,661,719
TOTAL PRINCIPAL FUNDS	$75,392,016

TEMPORARY FUNDS
GENERAL HOSPITAL FUNDS

ENDOWMENT FUNDS	$2,253,033
FIDUCIARY FUNDS	32,444
SPECIAL PURPOSE FUNDS	6,030,651

McLEAN HOSPITAL FUNDS

ENDOWMENT FUNDS	25,878
SPECIAL PURPOSE FUNDS	58,385
OTHER FUNDS	3,685
TOTAL TEMPORARY FUNDS	$8,404,076

SUMMARY

TOTAL PRINCIPAL FUNDS	$75,392,016
TOTAL TEMPORARY FUNDS	8,404,076
FUNDS INVESTED IN PLANT	72,399,740
GAINS	740,443
TOTAL OF ALL FUNDS	$156,936,275

INCOME FUNDS

GENERAL HOSPITAL FUNDS

TREASURER'S FUNDS

Current Expense Fund		
Bequest of Caroline E. Chickering	10,990.79	
Gift	100.00	$ 11,090.79
Miscellaneous Funds		
Bequest of Meta Hull Smith Trust U/W	16,050.00	
Gifts	17,340.00	$ 33,390.00

FUNDS FOR SPECIAL PURPOSES

Bequests	31,340.31	
Gifts	2,393,066.71	
Foundations	675,441.76	
Grants-U.S. Government	18,331,417.00	$21,431,265.78

McLEAN HOSPITAL FUNDS

TREASURER'S FUNDS

Miscellaneous Fund	
Bequest of Lucia E. Woodward Trust	$ 24,884.91

FUNDS FOR SPECIAL PURPOSES

Bequests	8,495.41	
Gifts	71,046.80	
Foundations	35,350.00	
Grants-U.S. Government	2,326,693.25	$ 2,441,585.46

TOTAL INCOME FUNDS	$23,942,216.94

SUMMARY

Total Principal Funds	$ 8,660,370.01
Total Income Funds	23,942,216.94
TOTAL GIFTS AND BEQUESTS	$32,602,586.95

G.L. CRITTENDEN
Treasurer

One Hundred and Fifty-Ninth Annual Report

of

THE McLEAN HOSPITAL

A Division of
MASSACHUSETTS GENERAL HOSPITAL
1976

Belmont, Massachusetts

MASSACHUSETTS GENERAL HOSPITAL
McLEAN HOSPITAL
OFFICERS OF THE INSTITUTION, 1977

President
Lloyd D. Brace

Vice-President
Henry R. Guild, Esq.

Treasurer
G. Lamar Crittenden

Secretary
William A. Waldron, Esq.

Assistant Treasurer and
Assistant Secretary
Orrin G. Wood, Jr.

Trustees

1947	John E. Lawrence, Esq., *Chairman,* 177 Milk Street 02109
1962	Francis H. Burr, Esq., 225 Franklin Street 02110
1963	George Putnam, 265 Franklin Street 02110
1968	G. Lamar Crittenden, 100 Federal Street 02110
1969	Nelson J. Darling, Jr., Esq., 100 Federal Street 02110
1969	W. Nicholas Thorndike, 28 State Street 02109
1973	*Mrs. R. Morton Claflin, 37 Chestnut Street 02108
1974	*Maurice Lazarus, 50 Cornhill 02108
1975	F. Sargent Cheever, M.D., 30 Pond Road, Wellesley 02181
1975	*Mrs. Ruth M. Batson, 160 Ruthven Street, Dorchester 02121
1976	*Marc J. Roberts, Ph.D., 164 Highland Avenue, Newton 02160
1976	William J. McCune, Jr., 549 Technology Square, Cambridge 02139

Honorary Trustees

1974	Sidney R. Rabb, 393 D Street, Boston 02210
1975	Philip H. Theopold, 294 Washington Street 02108
1976	Lloyd D. Brace, 100 Federal Street 02110
1976	Francis O. Schmitt, Ph.D., M.I.T. Neurosciences Research Program, 165 Allandale Street, Jamaica Plain Station, Boston 02130

*Appointed by the Governor of the Commonwealth

MEMBERS OF THE CORPORATION

LIFE MEMBERS

O. Kelley Anderson
G. Storer Baldwin
Mrs. James T. Baldwin
Mrs. Henry M. Bliss
Lloyd D. Brace
Mrs. Lloyd D. Brace
J. Howard Bushway
Mrs. Charles C. Cabot
Thomas D. Cabot
John P. Chase
Theodore Chase, Esq.
Charles E. Cotting
Mrs. Richard E. Danielson
Miss Betty Dumaine
Robert R. Duncan
Charles J. Dunn, Esq.
William Ehrlich
Mrs. Gardiner H. Fiske
Henry R. Guild, Sr., Esq.
Mrs. Francis C. Gray
Edward B. Hanify, Esq.
Roy J. Heffernan, M.D.
Harvey P. Hood
William T. Kemble
Mrs. J. Wheaton Kittredge, Jr.
John E. Lawrence, Esq.
Henry A. Laughlin
Ralph Lowell
Joseph W. Lund
James H. Orr
Miss Amelia Peabody
Sidney R. Rabb
William N. Rand
Miss Anna P. Revere
Francis O. Schmitt, Ph.D.
Right Reverend Henry K. Sherrill
Raymond S. Stevens
Thomas C. Thacher
Philip H. Theopold
Mrs. Augustus Thorndike
Richard K. Thorndike
Samuel J. Tomasello
John B. Vernaglia, M.D.
F. Frank Vorenberg
Edward A. Weeks, Jr.

TERM MEMBERS

Term Expiring at Annual Meeting in 1978

William H. Claflin
Mrs. Charles A. Coolidge
Charles C. Cunningham, Jr.
William R. Driver, Jr.
Henry R. Guild, Jr., Esq.
Franklin A. Lindsay
Joseph L. Mailman
Mrs. Charles E. Merrill, Jr.
James Jackson Minot
His Honor Joseph L. Tauro

Term Expiring at Annual Meeting in 1979

Walter Berman
Hadley Case
Sewall H. Fessenden, Jr.
Laurence E. Fouraker
Edward C. Johnson III
Roderick M. MacDougall
Frederick S. Moseley III
Irving E. Rogers
Henry S. Streeter, Esq.
Frederick G. P. Thorne
Henry Wheeler, Esq.

Term Expiring at Annual Meeting in 1980

Mrs. Charles Almy
Mrs. Adeline Ameno
Alfred W. Baldwin
The Reverend Laurence J. Borges
Henri J. Bourneuf
Haskell Cohn, Esq.
William C. Cox, Jr.
Mrs. Donald R. Dwight
Donald J. Hurley, Esq.
Mrs. John M. Myers
Mrs. Clelia Orlandi
Bertram Parker
His Honor Lawrence T. Perera
John L. Quigley
Mrs. George S. Richardson
Jacob Saliba

Term Expiring at Annual Meeting in 1980

Lloyd C. Elam, M.D.
Alfred W. Fuller, Esq.
Mrs. Alden I. Gifford, Jr.
Morris Gray
Charles W. Schmidt
John B. Scrivano
Mrs. Roland W. Whitridge
Mrs. Elaine Wilson

Term Expiring at Annual Meeting in 1981

Bushrod H. Campbell
Mrs. Donald F. Cutler
Henry M. Fawcett
Robert L. Fondren
Gilbert H. Hood, Jr.
S. Lang Makrauer, Esq.
Mrs. Francis U. Paige

Term Expiring at Annual Meeting in 1982

Mrs. Nelson W. Aldrich
James Barr Ames, Esq.
Joseph W. Bartlett, Esq.
Mrs. Ruth M. Batson
Francis H. Burr, Esq.
Walter M. Cabot
Norman L. Cahners
F. Sargent Cheever, M.D.
Landon T. Clay
Right Reverend John B. Coburn
Ferdinand Colloredo-Mansfeld
Mrs. A. Werk Cook
Mrs. William C. Cox
G. Lamar Crittenden
Nelson J. Darling, Jr., Esq.
Alexander Ellis, Jr.
George R. Frick
Richard Harte, Jr.
John A. Kaneb
Senator Edward M. Kennedy
John H. Knowles, M.D.
Maurice Lazarus
David S. Lee
Mrs. John H. Livens
William J. McCune, Jr.
William C. Mercer
John N. Philips
George Putnam
Mrs. Karl Riemer
Marc J. Roberts, Ph.D.
Mrs. Horatio Rogers
Samuel S. Rogers
Jose M. Soriano
John K. Spring
W. Nicholas Thorndike
Jeptha H. Wade, Esq.
John P. Weitzel, Esq.

STANDING COMMITTEES OF THE TRUSTEES

FINANCE

BUDGET AND AUDIT

LEGAL AFFAIRS

VISITING COMMITTEE FOR McLEAN HOSPITAL

HALL-MERCER HOSPITAL

MEMORIALS COMMITTEE

NOMINATING COMMITTEE

COMPENSATION COMMITTEE

COMBINED COMMITTEES OF TRUSTEES AND STAFF

GENERAL HOSPITAL

McLEAN HOSPITAL

PHILLIPS HOUSE-BAKER MEMORIAL

PLANNING AND BUILDING COMMITTEE

COMMITTEE TO REVIEW GROUP B APPOINTMENTS

ADMINISTRATION

Director
Francis de Marneffe, M.D.

Administrator
Henry J. Langevin, M.S.H.A., F.A.C.H.A.

Assistant Director for Fiscal Affairs
Arnold R. Saitow, M.B.A.

Assistant Director for Professional Services
Patrick Grant, Jr., M.H.A.

Assistant Administrator
Robert Spiegel, M.A.H.A.

Civil Rights Officer
Arthur H. Rosenberg, J.D., LL.M., M.T.H.

DIRECTORS OF DEPARTMENTS

Accounting
Arnold R. Saitow, M.B.A.

Building Service
James C. Shuttle

Communication Service
Paula Levin, M.A.

Development
Wiston R. Johnson, M.A.

Dietetics and Food Service
Mary Branston, B.S., A.D.A. (M), R.D.

Evaluative Service Unit
Mollie Grob, S.M., ACSW

Laundry
Arnold O. Tompkins

Medical Records
Ruth Pucciarelli, B.S., R.R.A.

Medicine
Charles H. Weingarten, M.D.

Neurology
Bryan T. Woods, M.D.

Nursing
Rose Marie Hobson, R.N., B.S., M.S.
(Adult and Children's Services)

Patient Education
John F. Dunn, M.A.
(Adult Services)

Personnel
David W. Bohy, B.A.

Pharmacy
George R. Zager, Reg. Ph., M.S.

Plant and Operations
John B. Larson, B.S.

Professional Libraries
Hector Bossange, M.A.

Professional Publications
Evelyn Stone

Psychiatry
Shervert H. Frazier, M.D.

Psychology
Irene Pierce Stiver, Ph.D. (Adult Services)
Sebastiano Santostefano, Ph.D.
(Children's Service)

Public Relations
Elena M. Volante, B.A.

Purchasing
Edward Mulligan

Rehabilitation Services
Frances Palmer, M.S., O.T.R.

Safety and Security
David B. Balise, M.P.H.

Social Work
Golda Edinburg, M.S.S.S., ACSW
(Adult Services)
Tikvah S. Portnoi, M.S.W., ACSW
(Children's Services)

Volunteers
Anne K. Dunn, B.A.

McLEAN HOSPITAL STAFF AS OF MARCH 5, 1977

DEPARTMENT OF PSYCHIATRY

Psychiatrist in Chief
Shervert H. Frazier, M.D.

Service Chiefs:
Lenore Boling, M.D.
Robert P. Hopkins, M.D.
Silvio J. Onesti, M.D.
Mark M. Walter, Jr., M.D.
Stephen L. Washburn, M.D.

Director of Child Psychiatry
Silvio J. Onesti, M.D.

Psychiatrists
Ross J. Baldessarini, M.D.
Jonathan O. Cole, M.D.
Edward M. Daniels, M.D.
Francis de Marneffe, M.D.
Leon Eisenberg, M.D.
Stanley H. Eldred, M.D.
Jack H. Mendelson, M.D.
Alfred H. Stanton, M.D.

Attending Psychiatrists
Martin A. Berezin, M.D.
Merton J. Kahne, M.D.
Irving Kaufman, M.D.
Sidney Levin, M.D.
Alan A. Stone, M.D.
Norman E. Zinberg, M.D.

Attending Child Psychiatrists
Malvina Stock, M.D.
Arthur F. Valenstein, M.D.

Associate Psychiatrists
Dietrich P. Blumer, M.D.
Lenore Boling, M.D.
Richard D. Budson, M.D.
Enid Caldwell, M.D.
Peter Choras, M.D.
Richmond Holder, M.D.
Robert P. Hopkins, M.D.
Phillip Isenberg, M.D.
Philip Kelleher, M.D.
Maria Lorenz, M.D.
John MacIver, M.D.
Roger E. Meyer, M.D.
Egbert H. Mueller, M.D.
George Papanek, M.D.
Maurice Vanderpool, M.D.
Mark M. Walter, Jr., M.D.
Stephen L. Washburn, M.D.

Associate Child Psychiatrists
John B. Livingstone, M.D.
Barbar C. Mueller, M.D.

Associate Attending Psychiatrists
David Blau, M.D.
Arthur J. Cain, M.D.
Jo Anne Fineman, M.D.
Alan Firsh, M.D.
Ernest Hartmann, M.D.
Peter B. Jenney, M.D.
Kathryn B. Kris, M.D.
Davide Limentani, M.D.
Don R. Lipsitt, M.D.
Andrew P. Morrison, M.D.
Cecil Mushatt, M.D.
Arthur Papas, M.D.
Peter Reich, M.D.
Michael D. Robbins, M.D.
Myron R. Stocking, M.D.
William D. Temby, M.D.
Edward L. Zarsky, M.D.

Associate Attending Child Psychiatrists

Malkah T. Notman, M.D.
Elinor M. Siner, M.D.
Anna K. Wolff, M.D.

Assistant Psychiatrists

Barbara L. Aeschliman, M.D.
Steve G. Agular, M.D.
Joseph H. Albeck, M.D.
Jane M. Berman, M.D.
Martha R. Bobruff, M.D.
Thomas C. Bond, M.D.
Neal M. Bornenstein, M.D.
Corbett Campbell, M.D.
Stephen Cronin, M.D.
Kathleen E. Dempsey, M.D.
Joan Eccleston, M.D.
David T. Gavan, M.D.
Leonard Glass, M.D.
Rhoda B. Goldwasser, M.D.
John G. Gunderson, M.D.
William B. Hawthorne, M.D.
J. Stephen Heisel, M.D.
William S. James, M.D.
Monte, S. Kay, M.D.
Cynthia N. Kettyle, M.D.
Rona B. Klein, M.D.
Jonathan E. Kolb, M.D.
John C. Kuehnle, M.D.
Kenneth Levin, M.D., Ph.D.
Joseph F. Lipinski, M.D.
Michael Madow, M.D.
Nancy McDonnell, M.D.
Paul E. McLean, M.D.
Zonda J. Mercer, M.D.
Steven M. Mirin, M.D.
Harold C. Morgan, M.D.
Harry Penn, M.D.
Jalna Perry, M.D.
Joseph S. Ratner, M.D.
Alan Schatzberg, M.D.
Edward R. Shapiro, M.D.
John J. Spillane, M.D.
Barry Sugarman, M.D.
Chester Swett, Jr., M.D.
Gerd C. Teschke, M.D.
Bernard S. Yudowitz, M.D.

Assistant Child Psychiatrists

Martin Miller, M.D.
Jacqueline O. Musliner, M.D.
Peter R. Saltzman, M.D.

Assistant Attending Psychiatrists

Donald M. Allen, M.D.
Richard Arnold, M.D.
Gerald M. Aronoff, M.D.
Daniel Asnes, M.D.
Ruth Tiffany Barnhouse, M.D.
Howard S. Berger, M.D.
Jerrold G. Bernstein, M.D.
Peter G. Bourne, M.D.
John H. Brandt, M.D.
Carl Brotman, M.D.
Paul A. Buttenwieser, M.D.
Lloyd M. Caplan, M.D.
George Chalpin, M.D.
Mignon C. Chasen, M.D.
Maurice C. Cion, M.D.
John G. Clark, Jr., M.D.
Herbert S. Cline, M.D.
Alan R. Cohen, M.D.
Edwin M. Davidson, M.D.
Paul R. Dinsmore, M.D.
Stuart E. Edelman, M.D.
Frederick Ehrlich, M.D.
Amir Farhadi, M.D.
Albert Feingold, M.D.
George B. Lawson, M.D.
Robert Leff, M.D.
Zenos M. Linnell, M.D.
Mark Mahnke, M.D.
J. Wayne Mathews, M.D.
A. William Menzin, M.D.
Charles Middleton, M.D.
Martin A. Miller, M.D.
Emanuel Mirel, M.D.
Amos Nahor, M.D.
John P. Nelson, M.D.
Morton B. Newman, M.D.
Donald Ottenstein, M.D.
Robert D. Patterson, M.D.
Michael Pearlman, M.D.
Phelps M. Robinson, M.D.
William A. Rohde, M.D.
Alexandra Rolde, M.D.
Lucy Salomon, M.D.
Carl Salzman, M.D.
Charles A. Schwartz, M.D.
Edward S. Schwartzreich, M.D.
Daniel Shaw, M.D.
Arnolds Sheinis, M.D.

Bruce W. Fischberg, M.D.
Matthew R. Friedman, M.D.
George Gardos, M.D.
Max Geller, M.D.
Stephen N. Gerson, M.D.
Ramon M. Greenberg, M.D.
Todd F. Holzman, M.D.
Carlos Hudson, M.D.
Diane Bay Humenansky, M.D.
Carolyn Ise, M.D.
Burt Johnson, M.D.
Eda M. Kahana, M.D.
Alvin Kahn, M.D.
Alan S. Katz, M.D.
Melvin M. Kayce, M.D.
Arnold M. Kerzner, M.D.
Walker, E. Shields, Jr., M.D.
Nathan T. Sidley, M.D.
Michael A. Sperber, M.D.
Ruth E. Stauffer, M.D.
Frederick J. Stoddard, M.D.
Jonathan P. Strang, M.D.
Larry H. Strassburger, M.D.
Charles W. Swearingen, M.D.
Roland H. Ungerer, M.D.
Jerry Wacks, M.D.
Robert M. Weiner, M.D.
Robert W. Weinstock, M.D.
Ruth S. Weiss, M.D.
Olga S. Wermer, M.D.
Donald Wexler, M.D.
Frederic E. Whiskin, M.D.
Harold W. Williams, M.D.

Assistant Attending Child Psychiatrists

Steven L. Ablon, M.D.
Paul H. Arkema, M.D.
Frederic J. Coplon, M.D.
Gretchen H. Jacobs, M.D.
Chester A. Pearlman, Jr., M.D.
Lloyd F. Price, M.D.
Richard Sens, M.D.
Robert P. Tufo, M.D.
Judith A. Yanof, M.D.

Consultant in Child Psychiatry

Charles A. Malone, M.D.

Residents in Psychiatry

Richard I. Altesman, M.D.
Alan L. Bateman, M.D.
Stephen J. Bergman, M.D.
Daniel M. Brener, M.D.
Bruce M. Cohen, M.D.
A.J. Darin de Lorenzo, M.D.
Judith Freedman, M.D.
Charlotte R. Goldman, M.D.
Woodrow W. Havens, II, M.D.
Philip B. Kraft, M.D.
Paul S. Laffer, M.D.
Sharyn Ann Lenhart, M.D.
Marshall E. Lewis, M.D.
Steven E. Locke, M.D.
Melvyn, L. Lurie, M.D.
E. Anitra Mamen, M.D.
Harrison G. Pope, Jr., M.D.
Daniel W. Rosenn, M.D.
Margaret S. Ross, M.D.
Frederic Schiffer, M.D.
Richard S. Schwartz, M.D.
Venkata K. Sharma, M.B., B.S.
Larry J. Siever, M.D.
Jeffrey L. Speller, M.D.
Humberto Valdes, Jr., M.D.
Warnie Webster, M.D.
Roger D. Weiss, M.D.

Residents in Child Psychiatry

John K. Bartz, M.D.
Raquel Z. Berezovsky-Chemes, M.D.
Deborah J. Brandchaft, M.D.
Pauline Lanaise-Clair Le Chabrier, M.D.
Charles W. Popper, M.D.
Jay Press, M.D.

Residents in Child Psychiatry

Ann M. Briley, M.D.
Lorin R. Daggett, M.D.
Winston C. Hughes, M.D.
Ann E. Saunders, M.D.
Kenneth M. Settel, M.D.
John J. Szlyk, M.D.

Neurology Resident

Elizabeth A. Reid, M.D.

Clinical Fellows in Psychiatry

Mary H. Collins, M.D.
Marita M. Keller-Teschke, M.D.

Clinical and Research Fellows in Psychiatry

A.J. Darin de Lorenzo, M.D.
Paul R. Draskoczy, M.D.
Robert N. Elkins, M.D.
Philip D. Gottlieb, M.D.
Michael G. Marenchic, M.D.
Mark G. McCormick, M.D.
Michael H. Nelson, M.D.
John P. Reimherr, M.D.
Barry H. Roth, M.D.
Tommy Davis Sellers, M.D.
Adele G. Wilkeson, M.D.

Pastoral Fellow

Rabbi Sanford Seltzer

SENIOR CONSULTING STAFF

John A. Abbott, M.D.
Mark D. Altschule, M.D.
Lydia Dawes, M.D.
Paul M. Howard, M.D.
William F. Murphy, M.D.

BOARD OF CONSULTATION

Harry C. Solomon, M.D.

DEPARTMENT OF MEDICINE

Internal Medicine

Physician

Charles H. Weingarten, M.D.

Assistant Physicians

Cheryl L. Birchette-Pierce, M.D.
Joseph J. Herskovits, M.D.

Attending Physician

Ronald Arky, M.D.

Associate Attending Physicians

Joseph Gerstein, M.D.
Charles Hatem, M.D.

Clinical Assistant in Medicine

Robert D. Busiek, M.D.

Assistant Dental Surgeon

Herbert J. Dorris, D.M.D.

Podiatrist

Homer J. Squires, D.P.M.

Pediatrics

Assistant Pediatrician

John K. Willis, M.D.

Associate Attending Pediatrician

S. Norman Sherry, M.D.

Assistant Attending Pediatrician

L. Matthew Frank, M.D.

Consultants

Theodore H. Atkinson, D.P.M., *Podiatry*
Max J. Bulian, M.D., *Obstetrics-Gynecology*
Harold L. Chandler, M.D., *Nuclear Medicine*
Carl Cohen, D.M.D., *Dentistry*
John D. Crawford, M.D., *Pediatrics Endocrinology*
Herbert E. Daitch, D.M.D., *Dentistry*
Joel P. Douglas, D.M.D., *Orthodontics*
Michael G. Ehrlich, M.D., *Orthopaedic Pediatrics*
Angelo J. Eraklis, M.D., *Pediatric Surgery*
Robert W. Fasciano, D.M.D., *Periodontology*
Ignatius J. Fiorenza, D.D.S., *Dentistry*
James M. Gibbons, Jr., M.D., *Orthopaedic Surgery*
Zolman Helfand, M.D., *Surgery*
R. Harlow Hermanson, M.D., *Radiology*
Richard Hillel, M.D., *Otolaryngology*
Ruby G. Jackson, M.D., *Obstetrics-Gynecology*
Arnold Katz, O.D., *Optometry*
Samuel M. Meller, D.M.D., *Dentistry*
Esther S. Muello, M.D., *Clinical Allergy*
Robert A. Provost, Jr., M.D., *Orthopaedic Surgery*
Arnolds Richmond, D.O., *Optometry*
Samuel R. Schuster, M.D., *Pediatric Surgery*
Bernard Sears, M.D., *Urology*
Seymour R. Shalek, M.D., *Radiology*
Joseph S. Wallace, M.D., *Obstetrics*

DEPARTMENT OF NEUROLOGY

Assistant Neurologist
Bryan T. Woods, M.D.

Attending Neurologist
Raymond D. Adams, M.D.

Associate Attending Pediatric Neurologist
N. Paul Rosman, M.D.

Assistant Attending Neurologists
Edwin H. Kolodny, M.D.
Roger Williams, M.D.

Assistant Attending Pediatric Neurologist
Eileen M. Ouelette, M.D.

Consultants in Neurology
David N. Levine, M.D.
R. Malcolm Stewart, M.D.
Edward R. Wolpow, M.D.
Robert R. Young, M.D.

Consultant in Electroencephalography
Ira Sherwin, M.D.

Electroencephalography Technician
John Wentworth, R.N.

ALCOHOL AND DRUG ABUSE RESEARCH CENTER

Director
Jack H. Mendelson, M.D.

Associate Directors
Nancy K. Mello, Ph.D.
Roger E. Meyer, M.D.

Psychiatrist
Jonathan O. Cole, M.D.

Assistant Psychiatrists
John C. Kuehnle, M.D.
Steven M. Mirin, M.D.

Assistant Attending Psychiatrist
Jerrold G. Bernstein, M.D.

Associate Biochemist
James Ellingboe, Ph.D.

Research Fellows
Barbara W. Lex, Ph.D.
Theo Manschreck, M.D.

Associate Attending Psychologist
A. Michael Rossi, Ph.D.

Assistant Psychologists
Thomas F. Babor, Ph.D.
Isaac Greenberg, Ph.D.
Stephen J. Rothenberg, Ph.D.

BIOLOGICAL RESEARCH LABORATORY

Director
Jordi Folch-Pi, M.D.

Neuropathologist and Associate Director
Alfred Pope, M.D.

Assistant Neuropathologist
Ralph A. Nixon, M.D., Ph.D.

Associate Biochemists
George Hauser, Ph.D.
Victor E. Shashoua, Ph.D.

Assistant Biochemists
Janice P. Blumer, Ph.D.
David Sakura, Ph.D.
Thomas L. Smith, Ph.D.

Research Fellow in Biochemistry
Larry J. Benowitz, Ph.D.

PSYCHOBIOLOGICAL RESEARCH CENTER

Psychobiologist
Seymour S. Kety, M.D.

Psychiatrist
Ross J. Baldessarini

Neuroanatomist
Walle J. H. Nauta, M.D., Ph.D.

Associate Psychobiologist
Steven Matthysse, Ph.D.

Associate Neuroanatomist
Valerie B. Domesick, Ph.D.

DEPARTMENT OF PSYCHOLOGY

Chief Psychologist-(Adult Services)
Irene P. Stiver, Ph.D.

Chief Psychologist (Children's Service)
Sebastiano Santostefano, Ph.D.

Psychologists
Nancy K. Mello, Ph.D.
Norbett L. Mintz, Ph.D.
Robert D. Schnitzer, Ph.D.

Associate Psychologist
Richard J. Bonier, Ph.D.
Scott Reinhardt, Ph.D.
Robert Rosenthal, Ph.D.

Associate Child Psychologist
Robert B. Brooks, Ph.D.

Associate Attending Psychologists

Abram Chipman, Ph.D.
Robert Harrison, Ph.D.
Brendan A. Maher, Ph.D.
Norman A. Neiberg, Ph.D.
A. Michael Rossi, Ph.D.
Ralph G. Semon, Ph.D.

Assistant Psychologists

Thomas F. Babor, Ph.D.
Susan V. Eisen, Ph.D.
Isaac Greenberg, Ph.D.
Karen Gross, Ph.D.
Barbara P. Jones, A.M.
Judith V. Jordan, Ph.D.
Philip G. Levendusky, Ph.D.
Carolynn Maltas, Ph.D.
Stephen J. Rothenberg, Ph.D.
Janet Surrey, Ph.D.
Gary A. Taylor, Ph.D.
Marsha Vannicelli, Ph.D.
Harvey H. Waxman, Ph.D.

Assistant Child Psychologists
Richard M. Heavenrich, Ph.D.
Richard Monahan, Ph.D.

Assistant Attending Psychologists
Lawrence J. Bader, Ph.D.
Ivan Gulas, Ph.D.
Sophie B. Mintz, Ph.D.

Associate in Psychology
Jean K. Mason, M.A.

Assistants in Psychology
Gus B. Kaufman, Jr., M.A.
Betty-Jane Scheff, M.Ed.

Assistants in Child Psychology
Ava M. Bry, M.S.
Catherine R. Higgins, M.Ed.

Postdoctoral Fellows
Susan Abelson, Ph.D.
MaryLou Cheal, Ph.D.
Robert Fein, Ph.D.
Charles M. Rice, Ph.D.
Peter Yaffee, Ph.D.

Postdoctoral Fellows in Child Psychology
Sydney Altman, Ph.D.
Charles Cutler, Ph.D.
Marsha Greenstein, Ph.D.
Betsy B. Kahan, Ph.D.

Fellows

Jeffrey S. Berman, M.A.
Gerald Borofsky, Ph.D.
Sharon S. Burr, M.A.
Mary Jo Camillus, Ph.D.
Carol S. Ginandes, M.A.
Robert Jampel, Ph.D.
Karlen Lyons-Ruth, Ph.D.
Barbara Mandelkorn, Ph.D.
Gil G. Noam "Diplom Psychologe"
Regina M. Todd, M.S.
Renate Vack "Diplom Psychologe"
Marcia H. Wright, B.A.

Research Fellow in Psychology
Alexander Campbell, Ph.D.

Report of the Director

Fiscal 1976 was marked by several developments at McLean Hospital which provided cause for great satisfaction as well as disappointment in one key area of hospital concern.

Improved Financial Position

On the positive side, there is much good news to report. Importantly, the hospital ended the year in a sound financial position, in sharp contrast to two years ago when the combined pressures of inflation and start-up costs of new clinical programs resulted in a sizeable operating deficit. Our better position was in large part due to increased awareness on the part of decision-makers throughout the hospital of the financial implications of program needs. This heightened concern, together with the offsetting of past cumulative deficits by the surplus achieved this year, strengthens our capacity to respond to the many critical demands for service we deem necessary to provide.

Mailman Research Center

Another major development was the progress made toward establishing a comprehensive research program for the study of schizophrenia and other major psychiatric illnesses. By the end of the fiscal year, 85 percent of the $3.28 million needed to build the Mailman Research Center had been raised. Its construction is well along with occupancy projected for April of 1977. Several of the investigators expected to join the facility from Harvard, the Massachusetts General Hospital, and the Massachusetts Institute of Technology are already working at McLean.

In recognition of the many contributions of Mr. Ralph Lowell, who served as chairman of the McLean Committee of Trustees for so many years, the two lower stories of the facility will be known as the Ralph Lowell Laboratories.

The funds which have made the center a reality have come wholly from private philanthropic sources, and McLean is indebted to many foundations and individual donors. A $1 million pledge from the Mailman Foundation, reported last year and reflecting Mr. and Mrs. Joseph Mailman's continuing interest in McLean, provided a particularly crucial boost to the center's development. This year, a quarter-of-a-million dollar challenge grant was received from The Kresge Foundation conditional upon McLean's raising the balance of the total funds needed to complete construction. At year-end, there was no doubt that the balance would be raised. Also toward year-end, in anticipation of the need for more effective management of

expanding hospital research activities, a search began for a Research Administrator to coordinate the increasingly complex administrative aspects of research.

Bridgewater State Hospital

McLean's first year of providing psychiatric services at the Bridgewater State Hospital under a contract with the Massachusetts Department of Correction was a highly successful one and demonstrates how a private psychiatric hospital can contribute to the community. Plagued for years by a desperate shortage of psychiatrists, the rehabilitation of patient-inmates received inadequate attention with consequent ill effects for the prisioners themselves and society at large. When state officials turned to McLean, it was decided that McLean could and should tackle this very difficult situation. By the end of the first year, McLean psychiatrists had reevaluated and established individualized treatment plans for all inmates, and the Bridgewater program began to be viewed as a model for similar facilities across the state. An expanded contract for services which insures that continued progress can be made, was signed toward the end of the fiscal year.

Facilities

As the Report of the Psychiatrist in Chief notes, there has been unprecedented growth at McLean in recent years both in overall numbers of patients treated and in new clinical, research, and teaching programs. This has compounded pressures on space and McLean's long-standing problem of providing adequate patient facilities in buildings constructed at the turn of the century. The inadequacies of these were cited by the Joint Commission on Accreditation of Hospitals in 1962. Thus, it was a major disappointment when, during the year, the hospital was not successful in obtaining state approval to construct a building to replace 107 beds and to house ancillary medical and other services. The hospital has turned to its only viable option: restudying all needs; identifying those most urgent; and proceeding on a piecemeal basis to resolve the most critical inadequacies of its physical plant.

These efforts are going hand-in-hand with other considerations. For example, there is the need to balance expanding physical requirements (particularly parking facilities) with the need to preserve the natural beauty of the McLean landscape as recommended by Kiley, Tyndal and Walker, the hospital's landscape design consultant. Important, too, in long-range plans is a goal of establishing an Archives facility at McLean where the hospital's many memorabilia and archives with significance for the field of psychiatry may be preserved and displayed.

Arlington School

Arlington School, McLean's accredited high school, had 144 students enrolled for part or all of the 1975-76 school year. With the shortening hospital stays of adolescents, the faculty has worked hard to accommodate the educational needs of short-term students without compromising the high quality of the school's regular 12-month program. More than half of the students who graduated this year moved on to further education. The faculty continues to be heavily involved with educators in community schools and state officials on various aspects of Chapter 766, the Commonwealth's special needs education law.

Public Education

The hospital continued its efforts to help increase public understanding of mental health issues and McLean. Five free evening public lectures on mental health were sponsored by the hospital and two morning lectures by the Auxiliary. During May, Mental Health Month, four public service messages were developed around perceived information needs of the community and were aired by area radio and television stations. Also, many of the psychiatric staff were guest speakers on radio and television, and others shared their expertise with the public through Boston and suburban newspaper features.

During the year, too, McLean was visited by reporters from national ABC television to research data for a 1977 documentary on mental health.

The most time-consuming public education venture, however, was our cooperation with **The Real Paper**, which approached McLean with the news that they were devoting a whole issue of the paper to McLean and needed broad access to the hospital, including patient halls, for sound information.

Given the mystery and misconceptions that continue to surround mental illness, it was felt much could be gained from a responsible treatment of some of the issues involved. Firm ground rules were established in advance with the paper to protect the confidentiality and privacy of patients. It was made clear that the staff would not identify present or past patients, nor comment on a particular patient's history or treatment. Further, the paper agreed that, if during the collaboration a patient's identity were to be inadvertently revealed, the paper would not disclose it. Patients were fully apprised of their rights to be present or not in areas to be visited and gound rules for the collaboration were published throughout the hospital.

The book-length feature on McLean that resulted may be one of the

most comprehensive treatments of mental illness and a psychiatric hospital ever to appear in the lay press.

Summary

The year's activities reflect McLean's continuing commitment to provide excellence in psychiatric care and leadership in research and education in the mental health field. They are evidence, too, of the continuing support of the McLean Committee of Trustees, which had three new members this year: F. Sargent Cheever, M.D., Mr. Nelson J. Darling, Jr., and Mrs. Alison J. Coolidge. Mrs. Coolidge, the first nontrustee member of the MGH Corporation to be appointed to the committee, has been active in McLean affairs for many years. She organized McLean's volunteer program, was a prime mover in establishing the Auxiliary, served as McLean's Personnel Director for several years, and symbolizes the kind of strength members of the community can bring to McLean.

I should like to thank all committee members — new and old — especially Mr. George Putnam, Chairman of the committee, for the part they played in the accomplishments of 1976.

FRANCIS de MARNEFFE, M.D.
Director

Report of the Psychiatrist in Chief

Managing Growth

The six-year period ending in 1976 was one of unprecedented growth in patient services at McLean. Inpatient admissions this year numbered 1,166, more than triple the 1970 figure of 383. Many new specialty services were created, including programs for children, alcoholics, epileptics, and adolescents; a behavior therapy unit; and a psychiatric service at Bridgewater State Hospital. Outpatient services also grew dramatically both in types of partial-care programs offered and the number of patients served.

With this growth, the need to reorganize McLean's Clinical Service into more manageable program clusters became clear. On July 1, 1976, therefore, programs were reorganized under five clinical service chiefs.

Appointed were: Lenore Boling, M.D., Chief of Belknap Services, with responsibility for South Belknap I and II, North Belknap II, and East House; Robert P. Hopkins, M.D., Chief of Specialized Services, with responsibility for the Adolescent and Family Treatment Unit, Appleton, North Belknap I, Proctor I and II, and Upham I; Silvio J. Onesti, M.D., Service Chief for Hall-Mercer Children's Services; Mark M. Walter, M.D., Chief of the Codman Services, with responsibility for the three Codmans and Bowditch I; and Stephen L. Washburn, M.D., Service Chief for Partial Hospitalization Services.

Drs. Hopkins, Onesti, Walter, and Washburn bring to their new roles extensive clinical and administrative experience at McLean. Dr. Boling assumed her new post after 24 years of distinguished service at the Massachusetts Mental Health Center, most recently as one of its assistant clinical directors.

Coincident with these changes, the post of Acting Clinical Director, held by Paul M. Howard, M.D., was terminated although Dr. Howard's responsibilities for the Institutional Review Board continue.

Also adding to the management strength of the clinical services were the appointments of George O. Papanek, M.D., as Director of the Outpatient Clinic and Mr. Patrick Grant, as Assistant Director of Professional Services to provide administrative support for professional departments.

Other changes were made during the year to keep pace with growth. Committees on Adolescence and on Teaching and Education were established to study and coordinate hospital-wide resources for treating adolescents and providing undergraduate training in various disciplines. Patients began being admitted directly to various inpatient units with North Belknap I remaining primarily an intensive

short-term evaluation and treatment unit rather than a centralized admissions hall. In addition to improving access to hospitalization, the change eliminates inpatients having to adjust first to one hall staff and then another. Finally, with more demands on McLean's traditional role to treat the most difficult of patients, a Special Clinical Case Conference was added to ongoing weekly staff coordinating meetings to disseminate more fully useful information on their care.

Particular Patient Services

This year, two patient care programs completed their first full year of operation; a third was established; and a fourth was planned.

The Adolescent and Family Treatment Program, which opened in March 1975, treated 15 adolescents and their families this year and increased its bed capacity. McLean's first year of providing psychiatric services to Bridgewater State Hospital was marked by organizing specialized treatment units and reevaluating and establishing individualized treatment plans for all patient inmates. These and other accomplishments were such that an expanded contract for continued services was signed with the Massachusetts Department of Corrections in July.

In mid-January, a 15-bed Behavior Therapy Unit opened on Upham I. Here behavioral techniques are introduced into the milieu as an integral part of an eclectic, goal-oriented treatment approach. As the fiscal year ended, plans were underway to open Hope Cottage as a 15-bed quarterway residence for individuals with chronic psychiatric problems who do not require hospitalization. It will operate as part of Partial Hospitalization Services which this year treated 49 patients in its Adolescent Day Service and 234 patients through over 12,000 evening, day, and night program visits. Such visits were up by 2,239 over the prior year. Half of newly-attached patients during the year entered directly from the community.

The Hall-Mercer Children's Center completed its third full year of providing comprehensive services to children and adolescents who continue to present a full range of psychopathology. Inpatinet, day, and outpatient admissions totaled 215 this year. The treatment of patients at the center involves the family and others in the community important to the child's rehabilitation.

The Appleton Alcholism Treatment Center, now four years old, continued providing comprehensive services for alcoholics and began exploring the possibility of adding a second halfway house for discharged inpatients. McLean's other halfway facilities (Berkeley House and Waverley House) were again filled to capacity during most of the year. They provide a transitional living arrangement between inpatient stays and home for many residents and an alternative to hospitalization for others. At McLean's Outpatient Clinic, some 1,300

patients were treated during the year and a new evening program was established for people whose work situations prevent day visits.

Training

In addition to training students for professions in all mental health disciplines and many allied fields, McLean offered a variety of educational programs to practicing professionals through its Facility for Continuing Education. These programs attracted almost 3,000 participants during the year. Early in 1976, the American Medical Association, in cooperation with the Massachusetts Medical Society, awarded McLean a Certificate of Accreditation in Continuing Medical Education.

Research

Research proceeded along several lines during 1976. The Biological Research Laboratory continued a variety of biochemical and neuropathological studies.

Investigations at the Alcohol and Drug Abuse Research Center focused on the efficacy of new pharmacological agents for the treatment of both opiate (heroin) and alcohol abuse; and on the biological and behavioral concomitants of marijuana use and drug and alcohol abuse. Also, a variety of studies were underway at the center to explore the potential benefits of new drug therapies for mental illness.

The hospital's psychosocial therapy research unit continued its study of the effectiveness of intensive psychotherapy, and several studies were completed by the Evaluative Service Unit.

Most importantly, as the year ended, McLean's goal of establishing a comprehensive research program in the psychoses was well in sight. Construction of the Mailman Research Center proceeded on schedule and will open in 1977. Several investigators who will work at the center have already joined the McLean staff.

McLean Hospital Journal

McLean has long viewed its interest in research and academia as essential to developing optimal treatment programs for varied, often extremely complex, psychiatric conditions. Therefore it was decided this year that a journal that combines recent developments in clinical practice and research should be established to highlight educational ventures and current trends in psychiatry and to reemphasize traditional values. Under the direction of the Psychiatrist in Chief as Editor and Mrs. Evelyn Stone, Managing Editor, three issues of the new **McLean Hospital Journal** were published during fiscal 1976. The journal is distributed broadly throughout the psychiatric community and original manuscripts from authors within and outside McLean are considered for publication.

Summary

Fiscal 1976 presented McLean with the need to address new management demands posed by unprecedented growth in the recent past in its clinical, research, and teaching programs while positioning itself for the future. Toward year-end, the hospital was preparing for a survey by the Joint Commission on Accreditation of Hospitals and looking forward to the opening of its most ambitious research program to date — the Mailman Research Center. The year's activities and commitments to the future reflect McLean's continuing objective to apply its resources where they can best meet needs in the mental health field.

SHERVERT H. FRAZIER, M.D.
Psychiatrist in Chief

Report of the Administrator

The functional and engineering deficiencies of the hospital's core buildings, built between 1895 and 1907 for inpatient facilities, have been mentioned in these reports for many years. In 1962 the Joint Commission on Accreditation of Hospitals recommended the complete remodeling of the physical plant and replacement of the older patient buildings. In 1965 the architectural firm of Perry, Dean and Stewart recommended the replacement of all but a few of the older buildings at McLean.

In April, 1975 an application for a Determination of Need was submitted to the Department of Public Health to construct a building to replace 107 beds, medical support services, and dietary facilities as well as to expand parking facilities and remodel the medical library and auditorium.

After numerous frustrating delays, the application was rejected by the Public Health Council on March 24, 1976 on the grounds that with the exception of the dietary facilities and medical library, the remaining services were adequate. The rejection was upheld by the Health Facilities Appeals Board on August 5, 1976, not on the merits of the project but on procedural grounds.

In recognition of the need to continue to upgrade the older buildings in order to provide a safe and more functional environment and to provide for expanding clinical programs, $425,500 was spent on capital improvements, including $160,000 on depreciable equipment and patient furnishings.

Renovation projects included remodeling the East House nursing station, continued upgrading of the North Belknap I and South Belknap I and II electrical system, continued expansion of the fire alarm system, partial remodeling of Upham House, expansion of the Personnel Department, installation of isolation bathroom facilities in Hall-Mercer and South Belknap II, ongoing upgrading of the Dietary facilities, installation of sprinklers in Center Building second floor and attic, installation of a complete sprinkler system in the Recreation Building, complete renovation of Hope Cottage including installation of a sprinkler and standpipe system, expansion of electro-magnetic security systems in critical areas of the hospital, and installation of a separate heat exchanger for Dietary and the Laundry as part of the hospital's ongoing energy conservation program.

Because of the difficulty in maintaining adequate water pressure in some buildings, the low-pressure water tank has been temporarily disconnected and water is being supplied through the high-pressure system via a reducing station. The total water system is presently

being evaluated and upgrading of the system will be required in the near future.

A number of positions were approved in selected departments in order to provide more effective services. Additional manpower will be required to continue the operation and demands of an expanding plant including numerous modernization projects. Some temporary positions and use of construction firms have been utilized to expedite the more essential projects.

Upham House I reopened on January 12, 1976 as a combined generic and behavior modification unit. Hope Cottage was to have opened in October, 1976 as a 15-bed community residence for adult and elderly chronically ill patients no longer requiring inpatient care, but construction problems will delay the opening for approximately six weeks.

The construction of the two-story addition to the Research Building is proceeding on schedule with occupancy projected for April, 1977. The Trustees authorized completion of the partially finished floor of the building, increasing the total project cost to $3.28 million.

The revised Utilization Review Plan has worked well and has relieved physicians of routine reviews. All admission reviews and all but two extended duration reviews were certified as requiring inpatient treatment. Two retrospective medical audits and five Evaluative Service Unit studies were completed during the year.

The ongoing problem of maintaining confidentiality of patient medical records while providing third-party payors with adequate information to process claims has been resolved to some extent with Blue Cross and the hospital agreeing to on-site reviews. The system has worked well and will be expanded to commercial carriers as indicated.

On April 1, the Harvard Medical Institutions Insurance Association became operational with McLean as a participating member. The intent of the program is to initially stabilize and ultimately reduce the cost of malpractice and general liability insurance to member hospitals and participating physicians.

The past year has been rewarding but also frustrating. Federal and state regulations are not only becoming more numerous but are also exerting a more direct impact on hospitals. Recent permanent cost--control legislation in Massachusetts has yet to severely impact on hospital operations but will in the immediate future. McLean's recent experience with Determination of Need regulations has been disheartening and does not bode well for the future.

HENRY J. LANGEVIN, M.S.H.A.
Administrator

Report of the Assistant Director for Fiscal Affairs

By any standard of measurement, 1976 was a year of growth and enhanced fiscal viability for McLean. Hospital expenses increased 11.3 percent or $1.8 million. At the same time, deductions from income—which include contractual allowances or "discounts" to cost-based payers such as Medicare and Blue Cross, reserves for doubtful accounts, and free care allowances—more than doubled to $2.23 million. The sum of these increased expenses amounted to $3 million.

About $300,000 of this required amount came from nonpatient revenue sources such as overhead income from research grants, Treasurer's Office operations, and cafeteria and related activities. Another major portion came from the increased volume of activity. Patient days and admissions rose 5.4 percent and 4.6 percent respectively and generated an additional $900,000.

As a result of these two items, only the balance of $1.8 million had to be recovered through increases in hospital charges. Rates increased 11 percent, which was typical of the average increase posted by hospitals in our area.

Also contributing to the hospital's improved financial position were some significant changes in our relations with third-party payers. This year, Blue Cross acceded to our requests to be included in the interbank program for billing for out-of-state patients. Also, this year 93 percent of admissions had insurance coverage, and third-party payments to McLean accounted for 68 percent of total revenue.

The combination of these changes in the structure of our revenue sources, and increasing concern by Trustees and hospital management over the size of the monies due from patients, prompted an intense effort to reduce the level of patient receivables. With this as the major objective for the year, a number of organizational and procedural changes were instituted. The result was a net decrease in outstanding receivables of $1.9 million and a corresponding reduction in the amount of McLean indebtedness to the Corporation. As a result, the financial underpinnings of the hospital are greatly improved, the amount of interest expense is reduced, which eases the upward pressure on hospital charges, and McLean is much better prepared to meet the increased regulatory pressures which are already becoming a major force in our operating environment.

Also, it is appropriate to comment upon the completion of a major project that was begun just two years ago. This was the conversion from a primarily manual accounting operation to a computerized man-

agement information system serving the needs of all hospital departments.

This past year saw the final transition to an automated accounting system including payroll, pension, accounts payable, patient billings, and the general ledgers. This transition to an automatic information system has helped immeasurably in allowing McLean to implement effective cost-control procedures. With more comprehensive financial data available on a more timely basis, there has been an increased awareness of financial implications by all those in a decision-making position. This awareness is evident at all levels of the organization from Trustees, through the Administration and Medical staff, to department heads and line supervisors.

In addition, systems design and development for a patient information system to include socioeconomic and demographic statistics on McLean patients were completed. This will give McLean a much clearer picture of who our patients are, their source of referral, length of stay at McLean, and final disposition at discharge.

In conclusion, it is important to be aware of continuing inroads by the Federal and State governments over the health-care industry. Massachusetts is one of a handful of states in the vanguard of these efforts to regulate and control health-care costs. The recently passed Chapter 409 of the General Laws of 1976 extends and strengthens the cost-control features of Chapter 424 enacted in 1975. This new legislation vests in the State Rate Setting Commission complete review and approval of hospital costs and charges for all providers in the Commonwealth. As an example, within some rigidly defined guidelines as to appropriate costs and charge relationships, the Commission can require a provider of service to reduce its income in one year to compensate for excess income generated in a prior year.

These sweeping controls over costs and charges, when combined with the lengthy and cumbersome process known as Certificate of Need (a requirement for State approval of any capital expenditure in excess of $100,00) effectively give the State a stranglehold over the nature, scope, and structure of an institution like McLean.

ARNOLD R. SAITOW, M.B.A.
Assistant Director for Fiscal Affairs

TABLE I
ADMISSIONS TO INPATIENT SERVICE 1975-1976
BY PREVIOUS HOSPITAL EXPERIENCE, SEX, AND RELATED OTHER CHARACTERISTICS

SCHEDULE A:	1st to Any				1st to McLean				Readm. to McLean				Total Admissions			
SOURCE	M	F	T	%	M	F	T	%	M	F	T	%	M	F	T	%
HOME	176	139	315	67	99	112	211	46	80	92	172	70	355	343	698	60
GENERAL HOSPITAL	42	36	78	17	11	29	40	9	7	11	18	7	60	76	136	12
PSYCHIATRIC HOSPITAL	2	1	3	1	72	83	155	34	3	5	8	3	77	89	166	14
OTHER & NOT DETERMINED	38	31	69	15	26	23	49	11	23	25	48	20	87	79	166	14
TOTAL	258	207	465	100	208	247	455	100	113	133	246	100	579	587	1166	100
SCHEDULE B:																
DIAGNOSIS																
PSYCHOSES ASSOCIATED WITH ORGANIC BRAIN SYNDROMES	6	11	17	4	6	7	13	3	4	2	6	2	16	20	36	3
NON PSYCHOTIC ORGANIC BRAIN SYNDROMES	3	6	9	2	4	3	7	1	2	4	6	2	9	13	22	2
MENTAL RETARDATION	3	2	5	1	3	3	6	1	0	1	1	1	6	6	12	1
SCHIZOPHRENIA	43	28	71	15	70	57	127	28	46	44	90	37	159	129	288	25
MAJOR AFFECTIVE DISORDERS	13	14	27	6	24	26	50	11	10	16	26	10	47	56	103	9
OTHER PSYCHOSES	10	14	24	5	11	19	30	7	4	7	11	4	25	40	65	5
NEUROSES	28	37	65	14	18	45	63	14	8	16	24	10	54	98	152	13
PERSONALITY DISORDERS	48	37	85	18	21	39	60	13	15	25	40	16	84	101	185	16
ALCOHOLISM	47	32	79	17	16	20	36	8	20	9	29	12	83	61	144	12
DRUG DEPENDENCE	7	1	8	2	17	1	18	4	2	2	4	2	26	4	30	2
TRANSIENT SITUATIONAL DISORDERS	30	18	48	10	14	22	36	8	2	4	6	2	46	44	90	8
BEHAVIOR DISORDERS OF CHILDHOOD AND ADOLESCENCE	18	7	25	5	1	2	3	1	0	2	2	1	19	11	30	3
DIAGNOSIS DEFERRED & OTHERS	2	0	2	1	3	3	6	1	0	1	1	1	5	4	9	1
TOTAL	258	207	465	100	208	247	455	100	113	133	246	100	579	587	1166	100
SCHEDULE C:																
AGES																
3-13	39	9	48	10	7	7	14	3	0	2	2	1	46	18	64	6
14-20	77	59	136	29	61	53	114	25	24	31	55	22	162	143	305	26
21-30	50	43	93	20	67	62	129	28	45	38	83	34	162	143	305	26
31-40	34	31	65	14	20	45	65	14	17	22	39	16	71	98	169	15
41-50	27	27	54	12	16	35	51	11	16	12	28	11	59	74	133	11
51-60	15	14	29	6	22	19	41	9	7	17	24	10	44	50	94	8
61-70	8	15	23	5	7	18	25	6	2	10	12	5	17	43	60	5
71-80	4	6	10	2	5	7	12	3	2	1	3	1	11	14	25	2
81 +	4	3	7	2	3	1	4	1	0	0	0	0	7	4	11	1
TOTAL	258	207	465	100	208	247	455	100	113	133	246	100	579	587	1166	100

TABLE II
INPATIENT POPULATION 1975-1976

TOTAL POPULATION:	Beginning of Year October 1, 1975		Admitted During Year	Discharged During Year	Remaining at End September 30, 1976	
			1166	1159		
	In Hospital	260			In Hospital	276
	On Visit	220			On Visit	211
		480				487
	Male	579 50%			Male	594 51%
	Female	587 50%			Female	565 49%

DISCHARGED PATIENTS: AGES	M	F	T	%
3-13	43	13	56	5
14-20	166	142	308	26
21-30	176	145	321	28
31-40	74	96	170	15
41-50	54	64	118	10
51-60	41	49	90	8
61-70	20	34	45	5
71-80	12	18	30	2
81 +	8	4	12	1
TOTAL	594	565	1159	100

DIAGNOSIS:	M	F	T	%
PSYCHOSES ASSOCIATED WITH ORGANIC BRAIN SYNDROMES	15	24	39	3
NONPSYCHOTIC ORGANIC BRAIN SYNDROMES	10	17	27	2

MENTAL RETARDATION	9	5	14	1
SCHIZOPHRENIA	158	132	290	25
MAJOR AFFECTIVE DISORDERS	60	61	121	10
OTHER PSYCHOSES	22	31	53	5
NEUROSES	53	73	126	11
PERSONALITY DISORDERS	90	94	184	16
ALCOHOLISM	80	63	143	12
DRUG DEPENDENCE	28	6	34	3
TRANSIET SITUATIONAL DISORDERS	43	44	87	8
BEHAVIOR DISORDERS OF CHILD-HOOD AND ADOLESCENCE	22	9	31	3
DIAGNOSIS DEFERRED & OTHERS	4	6	10	1
TOTAL	594	565	1159	100

TABLE III
DISCHARGES FROM INPATIENT SERVICE 1975-1976
BY SEX AND SELECTED OTHER CHARACTERISTICS

DESTINATION:	Male	Female	Total	% of Total
Home (Parental or Marital)	441	436	877	75
Psychiatric Hospital (or Psychiatric Wing of General Hospital)	57	45	102	9
General Hospital or Nursing Home	9	11	20	2
School	11	10	21	2
Foster Home	2	1	3	1
Own Apartment	32	25	57	5
Halfway House	23	16	39	3
Deceased	3	5	8	1
Other	16	16	32	2
Total	594	565	1159	100
CONDITION				
Recovered	7	6	13	1
Much Improved	104	108	212	18
Moderately Improved	227	199	426	37
Slightly Improved	114	110	224	19
Unchanged	139	137	276	24
Worse	0	0	0	0
Deceased	3	5	8	1
Not Determined	0	0	0	0
Total	594	565	1159	100
LENGTH OF HOSPITALIZATION:				
0-10 Days	79	89	168	14
11-30 Days	113	113	226	20
31-90 Days	260	252	512	44
91-180 Days	75	64	139	12
181-365 Days	41	24	65	6
1-2 Years	22	18	40	3
2-5 Years	4	5	9	1
Over 5 Years	0	0	0	0
Total	594	565	1159	100

McLean Hospital
Statement of Director's Equity

September 30, 1976

ASSETS

Cash	$ 535,955.28
Accounts Receivable-Patients	
Inpatient	5,142,424.53
Ambulatory	491,027.25
Due to Medicare	58,581.66
Total Accounts Receivable	5,692,303.44
Less Reserve for Doubtful Accounts	(415,978.27)
Total	5,276,325.17
Accounts Receivable-Miscellaneous	137,115.47
Inventories-Materials & Supplies	162,472.09
Prepaid Items	104,041.36
TOTAL ASSETS	$ 6,215,909.37

LIABILITIES

Accounts Payable	$ 1,315,397.18
Federal and State Taxes Payable	96,761.20
Blue Cross/Blue Shield Premiums Payable	19,859.48
Deferred Income	151,034.27
Reserve for Workmen's Compensation	582.00
Reserve for Unemployment Compensation	11,463.10
Reserve for Contractual Adjustments	188,797.00
Reserve for Harvard Pension	56,572.20
Reserve for Liability Insurance	64,702.95
Fiduciary Exchange Accounts	38,580.06
TOTAL LIABILITIES	$ 1,943,749.44

TREASURER'S EQUITY

Treasurer's Equity as of September 30, 1975	$ 6,150,985.70
Add: Cash from Treasurer (Year to Date)	560,000.00
Cumulative Depreciation	485,195.65
Less: Operating Surplus or (Deficit)	111,195.10
Disbursements-Special Funds (Year to Date)	(2,609,702.41)
Disbursements-Capital Additionsl (Year to Date)	(425,514.11)
Treasurer's Equity as of September 30, 1976	4,272,159.93
TOTAL LIABILITIES & TREASURER'S EQUITY	$ 6,215,909.37

McLean Hospital
Operating Statement

September 30, 1976

	1976
CENSUS	
Patient Days	100,258
Average Daily Census	274
Percent of Occupancy	84%
Number of Beds Available	328
REVENUE FROM PATIENTS	
Routine Services	$15,273,385
Special Services	2,433,015
Ambulatory	1,429,339
TOTAL PATIENT INCOME	19,135,739
DEDUCTIONS FROM PATIENT SERVICE REVENUE	
Free Service-Inpatient	555,231
Free Service-Outpatient	190,860
Medicare Allowance	248,743
Blue Cross Allowance	466,350
Public Agencies Allowance	112,310
Allowance 750	11,222
Provisions for Doubtful Accounts	649,808
TOTAL DEDUCTIONS	2,234,524
NET PATIENT SERVICE REVENUE	16,901,215
OTHER OPERATING REVENUE	
Research and Other Specific Services	2,609,702
Indirect Cost Recoveries	538,840
Other Income	621,618
Total Other Operating Revenue	3,770,160
TOTAL OPERATING REVENUE	20,671,375
OPERATING EXPENSES	
Salaries and Wages	12,322,853
Employee Fringe Benefits	1,965,665
Supplies	998,115
Utilities	799,842
Outside Services	688,278
Taxes and Insurance	375,105
Depreciation	545,415
Interest	255,205
TOTAL GENERAL FUNDS EXPENSES	17,950,478
Research and Other Specific Expenses	2,609,702
TOTAL OPERATING EXPENSES	20,560,180
OPERATING SURPLUS OR (DEFICIT)	111,195
TREASURER'S INCOME	170,772
Less Expenses	(31,637)
NET OPERATING SURPLUS OR (DEFICIT)	$ 250,330

Directory

ALUMNI AND PRESENT MEMBERS OF THE HOSPITAL STAFF

Present members of the Hospital Staff are indicated by (*).

The following abbreviations are used:

B.C.H. — Boston City Hospital, 818 Harrison Ave., Boston, Mass. 02118
B.H.H.C. — Bunker Hill Health Center, 73 High Street, Charlestown, Mass. 02129
B.I.H. — Beth Israel Hospital, 330 Brookline Ave., Boston, Mass. 02215
B.H.W. — Boston Hospital for Women, Lying-In Division, 221 Longwood Ave., Boston, Mass. 02115
B.U.H. — Boston University Hospital, 750 Harrison Ave., Boston, Mass. 02118
C.H.M.C. — Children's Hospital Medical Center, 300 Longwood Ave., Boston, Mass. 02115
D.S.H. — Danvers State Hospital, 450 Maple Street, Danvers, Mass. 01923
H.M.S. — Harvard Medical School, 25 Shattuck Street, Boston, Mass. 02115
H.S.D.M. — Harvard School of Dental Medicine, 188 Longwood Ave., Boston, Mass. 02115
H.S.P.H. — Harvard School of Public Health, 665 Huntington Ave., Boston, Mass. 02115
L.M.H.C. — Lindemann Mental Health Center, Government Center, Boston, Mass. 02114
L.S.H. — Lemuel Shattuck Hospital, 170 Morton Street, Jamaica Plain, Mass. 02130
McL. — McLean Hospital, 115 Mill Street, Belmont, Mass. 02178
M.E.E.I. — Massachusetts Eye & Ear Infirmary, 243 Charles Street, Boston, Mass. 02114
M.G.H. — Massachusetts General Hospital, Fruit Street, Boston, Mass. 02114
M.I.T. — Massachusetts Institute of Technology, 77 Massachusetts Ave., Cambridge, Mass. 02139
M.M.H.C. — Massachusetts Mental Health Center, 74 Fenwood Road, Boston, Mass. 02115
N.E.M.C.H. — New England Medical Center Hospitals, 171 Harrison Ave., Boston, Mass. 02111
N.E.D.H. — New England Deaconess Hospital, 16 Deaconess Rd., Boston, Mass. 02215
P.B.B.H. — Peter Bent Brigham Hospital, 721 Huntington Ave., Brookline, Mass. 02115
R.B.B.H. — Robert Breck Brigham Hospital, 125 Parker Hill Ave., Roxbury, Mass. 02120
R.F. — Retina Foundation, 20 Staniford Street, Boston, Mass. 02114
S.B.I. — Shriners Burns Institute, 41 Blossom Street, Boston, Mass. 02114
V.A.H. (W.R.) — Veterans Administration Hospital, 1400 V.F.W. Parkway, West Roxbury, Mass. 02132

*Aaron, Roy K.
Chief Resident in Orthopaedic Surgery
M.G.H.

*Abbott, John A., *Psychiatry* '35
Honorary Psychiatrist
Zero Emerson Place, Boston, Mass. 02114

*Abbott, William M., *Surgery* '71
Assistant Surgeon
M.G.H.

Abel, Ronald M., *Surgery* '73
N.Y. Hospital Cornell Medical Center
525 E. 68th Street
New York, N.Y. 10018

Aber, Robert C., *Medicine* '75
Assistant Professor of Medicine
Dept. of Medicine
The Milton S. Hershey Medical Center
Hershey, Penn. 17033

*Abernethy, Robert S., *Psychiatry* '72
Assistant in Psychiatry
L.M.H.C.

Abi-Torbey, Khalill, *Urology* '62
Immeuble Tabet
rue Abdel Wahab el Inglizi
Beirut, Lebanon

*Abraham, Henry D., *Psychiatry* '74
Clinical Associate in Psychiatry
M.G.H.

Abrahamian, H. Arto, *Anesthesia* '56
Grace-New Haven Community Hospital
New Haven, Conn. 06504

Abrahams, Saliem M., *Anesthesia* '73
32002 Cambridge Drive
Livonia, Mich. 48154

Abrahm, Janet Lee, *Medicine* '75
Dept. of Medicine, Room 994
Moffitt General Hospital
San Francisco, Calif. 94143

Abramowicz, Mark, *Children's* '62
Bronx Municipal Hospital
Bronx, N.Y. 10461

*Abramowicz, Harold
Clinical Associate in Psychiatry
Zero Emerson Place, Boston, Mass. 02114

Acheson, George H., *Medicine* '39
25 Quissett Avenue
Woods Hole, Mass. 02543

Ackerman, A. Bernard, *Dermatology* '68
New York University Medical Center
562 First Avenue
New York, N.Y. 10016

Ackerman, Irving P., *Medicine* '55
1960 North Edgemont St.
Los Angeles, Calif. 90027

*Ackerman, Robert H., *Neurology* '70
Assistant Radiologist
Clinical Assistant in Neurology
M.G.H.

Ackerstein, Harold, *Radiology* '75
9936 Julliard Dr.
Bethesda, Md. 20014

*Ackil, Albert A.
Clinical and Research Fellow
in Neurology
M.G.H.

*Ackroyd, Frederick W., *Surgery* '63
Clinical Associate in Surgery
Mt. Auburn Hospital
330 Mt. Auburn Street
Cambridge, Mass. 02138

*Adair, Luther B.
Clinical Fellow in Radiology
M.G.H.

*Adams, F. Dennette, *Medicine* '18
Honorary Physician
264 Beacon Street, Boston, Mass. 02116

Adams, Herbert D., *Surgery* '34
77 Arnold Road
Wellesley Hills, Mass. 02181

*Adams, John, Jr.
Honorary Dermatologist
704 Huntington Avenue
Boston, Mass. 02115

*Adams, John B.
3rd Year Resident in Medicine
M.G.H.

Adams, John E., *Pathology* '62
1311 Doves Cove Road
Towson, Md. 21204

Adams, Patricia C., *Children's* '70
Doctors Park
Dover, N.H. 03820

*Adams, Raymond D., *Neurology* '38
Chief of Neurological Service
Neuropathologist
M.G.H.

*Adams, William P.
4th Year Resident in Surgery
M.G.H.

Adamson, Gilbert L., *Neurology* '30
Winnipeg Clinic
Winnipeg, Manitoba, Canada

*Addante, Rocco R.
Chief Resident in Oral Surgery
M.G.H.

*Adelson, William J.
Clinical Associate in Pediatrics
Sudbury Medical Center
616 Boston Post Road
South Sudbury, Mass. 01776

Alder, Scott, *Orthopaedics* '59
4105 Silver St., S.E.
Albuquerque, N.M. 87108

*Agranat, Barry J., *Oral Surgery* '65
Clinical Associate in Oral Surgery
976 Main St., Waltham, Mass. 02154

Agus, Saul G., *Medicine* '70
271 Congressional Lane
Rockville, Md. 20850

*Ahluwalia, Bhagwat D.
Assistant in Physics (Radiology)
M.G.H.

*Aisenberg, Alan C.
Associate Physician
M.G.H.

Akins, Carlton M., *Orthopaedic Surgery* '72
Hutton Rd., Dover, Mass. 02030

Akins, Cary W., *Surgery* '75
Dept. of Thoracic Surgery
Willford Hall Medical Center
Lackland Air Force Base
San Antonio, Tex. 78236

Albert, Joseph, *Dermatology* '60
657 Franklin St., Framingham, Mass.
01701

Albert, Thomas W., *Oral Surgery* '75
H.M.S.

Albright, Edwin C., *Medicine* '42
3901 Euclid Avenue
Madison, Wis. 53711

*Albright, Nile, *Surgery* '74
Clinical Associate in Surgery
Deaconess Medical Building
110 Francis Street
Boston, Mass. 02215

Albuquerque, Paulo F., *Urology* '44
Rua Humberto de Campos
480 ap. 1701 (Leblon)
Rio de Janeiro, R.J.
Brazil

Alexander, William H., *Surgery* '23
411 East "C" Street
Iron Mountain, Mich. 49801

*Ali, Hassan H.
Assistant Anesthestist
M.G.H.

*Allen, Benjamin F.
1st Year Resident in Orthopaedic Surgery
M.G.H.

Allen, David W., *Medicine* '56
Veterans Administration Hosp.
Minneapolis, Minn. 55417

Allen, Henry F., *Surgery* '43
200 Beacon Street, Boston, Mass. 02116

Allen, Terence R., *Orthopaedics* '76
Northwick Park Hospital
Watford Road, Harrow
Middlesex, U.K. HA13UJ

Allison, Charles R., *Medicine* '40
15 Prince Street, Rochester, N.Y. 14607

*Allsop, John R.
Clinical & Research Fellow in Surgery
S.B.I.

*Allukian, Myron, Jr.
Clinical Associate in Oral Surgery
B.H.H.C.

*Allyn, Thomas R.
Clinical & Research Fellow in Medicine
M.G.H.

*Alonso, Anne W.
Clinical Assistant in Psychology (Psychiatry)
M.G.H.

Alper, Joseph C., *Dermatology* '73
28 Alder Court
E. Greenwich, R.I. 02818

Alpers, David H., *Medicine* '62
Washington University School of Medicine
St. Louis, Mo. 63110

*Alpert, M. Elliot
Assistant Physician
M.G.H.

*Alpert, Nathaniel M.
Assistant Physicist (Radiology)
M.G.H.

Alston, Edwin F., *Pathology* '45
2345 California Street
San Francisco, Calif. 94115

Alt, Richard E., *Surgery* '33
343 Dodge Street, Beverly, Mass. 01915

*Altbaum, Robert A.
2nd Year Resident in Medicine
M.G.H.

*Althausen, Alex F., *Surgery* '71, *Urology* '74
Assistant in Urology
M.G.H.

*Alton, William J., *Medicine* '75
Clinical & Research Fellow in Medicine
M.G.H.

*Amadio, Peter C.
2nd Year Resident in Orthopaedic
Surgery
M.G.H.

Amend, William J.C., Jr., *Medicine* '72
3024 Anguello
Burlingame, Calif. 94010

*Ames, Adelbert III
Neurophysiologist, Neurosurgery
M.G.H.

Amick, Arthur F., *Medicine* '58
51 S. Union Street
Cambridge, N.Y. 12816

*Ammon, John R.
2nd Year Resident in Anesthesia
M.G.H.

Andersen, Erik W., *Anesthesia* '48
Gentofte Hospital
Hellerup, Denmark

*Anderson, Donald F.
Assistant Psychologist (Neurology)
Walter E. Fernald School
200 Trapelo Road, Waltham, Mass. 02154

*Anderson, Elroy E., *Children's* '60
Clinical Associate in Pediatrics
Bass River Pediatric Associates
237 Station Avenue
South Yarmouth, Mass. 02664

Anderson, Frank H., *Neurology* '76
The Neurology Center
5454 Wisconsin Avenue
Chevy Chase, M.D. 20015

Anderson, H. Clarke, *Pathology* '59
Downstate Medical Center
Brooklyn, N.Y. 11203

Anderson, Jeffrey L.
9005 Ewing Drive
Bethesda, M.D. 20034

Anderson, Randolph L., *Orthopaedics* '27
1207 Upper Ridgeway Road
Charleston, W. Va. 25314

*Anderson, William H., *Psychiatry* '71
Assistant Psychiatrist
M.G.H.

*Andres, Joel M.
Clinical and Research Fellow in Pediatrics
M.G.H.

Andrew, Norman W., *Anesthesia* '56
330 Beacon St.
Boston, Mass. 02116

*Andrews, Ellen M.
1st Year Resident in Psychiatry
M.G.H.

*Annino, Donald J.
Clinical Associate in Pediatrics
175 Washington Street
Winchester, Mass. 01890

*Antonio, Robert P., *Anesthesia* '75
Clinical Fellow in Anesthesia
M.G.H.

*Antoon, Alia Y.
Assistant Pediatrician
S.B.I.

Appel, Stanley H., *Medicine* '61
Duke University Medical Center
Durham, N.C. 27705

*Aprille, June R.
Assistant Biochemist, Children's Service
S.B.I.

*Apter, Roy J.
4th Year Resident in Pathology
M.G.H.

*Aquino, Telmo M.
3rd Year Resident in Neurology
M.G.H.

*Arees, Edward A.
Assistant in Neuropathology
M.G.H.

Arenson, Ronald L., *Radiology* '74
Hospital of the University of Pennsylvania
Philadelphia, Pa. 19104

*Armentano, Marie E.
1st Year Resident in Psychiatry
M.G.H.

Arnason, Barry G.W., *Neurology* '59
Chairman, Dept. of Neurology
University of Chicago Medical School
950 East 59th Street
Chicago, Il 60637

*Arndt, Kenneth A., *Dermatology* '64
Clinical Associate, Dermatology
B.I.H.

*Arnett, Faye Bush
Assistant Psychologist (Neurology)
E.K. Shriver Center
200 Trapelo Road
Waltham, Mass. 02154

*Arnold, Ben A.
Research Fellow in Radiology
M.G.H.

Arnstein, A. Robert, *Medicine* '57
285 Hawthorne Road
Birmingham, Mich. 48009

*Aronow, Saul
Associate Physicist, Radiology
M.G.H.

Arrowood, Julia G., *Anesthesia* '36
440 E. Mass. Avenue
Southern Pines, N.C. 28387

*Arroyo-Master, Maria A.
Clinical & Research Fellow (Acting 2nd Year Resident) in Neurology
McL.

Arthur, Ransom J., *Children's* '52
11361 Isleta
Los Angeles, Calif. 90049

Arzimanouglu, Anthony A., *Orthopaedics* '52
3 Herodotoy St.
Athens, Greece 138

Asbury, Arthur K., *Medicine* '60
Pathology '62, *Neurology* '63
Dept. of Neurology
Hospitals of the University of Pennsylvania
Philadelphia, Pa. 19104

Asbury, Robert F., *Medicine* '75
National Institutes of Health
Building 10
Bethesda, Md. 20014

*Aserkoff, Bernard R.
Assistant Physician
5 Emerson Place
Boston, Mass. 02114

Ash, Homer L., *Dental Medicine* '62
127 Washington Street,
Keene, N.H. 03431

Asher, Marc A., *Orthopaedics* '70
University of Kansas Medical Center
Kansas City, Kans. 66103

*Astrom, Karl E.
Associate Neuropathologist, Neurology and Pathology
M.G.H.

*Athanasoulis, Christos A.
Assistant Radiologist
M.G.H.

Atherton, L. Douglas, *Urology* '52
Medical Towers Building
Louisville, Ky. 40202

*Atkins, Leonard, *Pathology* '55
Associate Pathologist
M.G.H.

Atkinson, Kenneth H., *Surgery* '70
King George V Hospital
Camperdown, N.S.W. Australia

*Attia, Rafik Rizk
Clinical Associate in Anesthesia
Lynn Hospital
212 Boston Street
Lynn, Mass. 01904

*Atweh, Samir F.
1st Year Resident in Neurology
M.G.H.

*Auchincloss, Hugh, Jr.
1st Year Resident in Surgery
M.G.H.

*Auerbach, David A.
3rd Year Resident on the
Children's Service
M.G.H.

*Aufranc, Otto E., *Orthopaedics* '39
Honorary Orthopaedic Surgeon
New England Baptist Hospital
76 Parker Hill Avenue
Boston, Mass. 02120

Aufranc, St. George T., *Surgery* '70
Orthopaedic Surgery '73
Route 1, Box 23
Gales Ferry, Conn. 06335

*Ausiello, Dennis A., *Medicine* '73
Assistant in Medicine
M.G.H.

*Austen, K. Frank, *Medicine* '61
Honorary Physician
R.B.B.H.

*Austen, W. Gerald, *Surgery* '60
Chief of the General Surgical Services
M.G.H.

*Austin, Richard C., *Surgery* '56
Clinical Associate, Surgery
John Cuming Building
Concord, Mass. 01742

*Autor, Sherry B.
Associate Psychologist, Psychiatry
M.G.H.

Averill, James H., *Medicine* '47
264 Elm Street
Northampton, Mass. 01060

*Averill, Robert M., Jr.
3rd Year Resident in Orthopaedic Surgery
M.G.H.

*Avruch, Joseph
Assistant Physician
M.G.H.

*Axelrod, Lloyd, *Medicine* '73
Assistant in Medicine
M.G.H.

Ayers, William B., *Surgery* '43
1554 Northern Blvd.
Manhasset, Long Island, N.Y. 11030

Ayres, Samuel, Jr., *Medicine* '20
2007 Wilshire Blvd.
Los Angeles, Calif. 90057

Babb, Joseph D., *Medicine* '68
Hershey Medical Center
Hershey, Pa. 17033

Bach, Michael C., *Medicine* '73
97 Campus Avenue
Lewiston, Me. 04240

*Bacon, K. Terry
Clinical Fellow in Radiology
M.G.H.

Bacon, William B., *Pathology* '51
16 Bayview Ave., Beverly, Mass. 01915

Baddock, Sheldon S., *Pathology* '66
V.A. Hospital
130 Kingsbridge Road
Bronx, N.Y. 10468

Badel, Daniel W., *Psychiatry* '42
11328 Euclid Avenue
Cleveland, Ohio 44106

*Baden, Howard P., *Dermatology* '60
Dermatologist
M.G.H.

*Badger, Theodore L., *Medicine* '28
Honorary Physician
264 Beacon Street, Boston, Mass. 02116

Bailey, Nelson E., *Dental Medicine* '64
106 W. Pine Street, Selingsgrove, Pa. 1787

Bakay, Louis, *Neurosurgery* '51
Edward J. Meyer Memorial Hospital
Buffalo, N.Y. 14215

*Baker, Ann L.D., *Medicine* '71
Assistant Physician
M.G.H.

Baker, Dudley M., *Orthopaedics* '62
332 Dewey Street
Bennington, Vt. 05201

*Baker, Edward P., Jr., *Neurosurgery* '64
Assistant Visiting Neurosurgeon
61 Libby Street, Brockton, Mass. 02402

*Baker, George P., Jr., *Medicine* '61
Physician
M.G.H.

*Baker Myles P., *Medicine* '30
Senior Physician
262 Beacon Street, Boston, Mass. 02116

Baker, Russell L., *Neurology* '43
9370 SW Greenburg Rd.
Portland, Oreg. 97223

*Baker, Stuart B.
Clinical & Research Fellow in Medicine
M.G.H.

Baker, William G., Jr., *Medicine* '64
501-11th Street N.
St. Petersburg, Fla. 33705

*Baker, William H.
Physician
M.G.H.

Baker, William J., *Surgery* '43
724 Main Street, Laconia, N.H. 03246

*Balboni, Victor G., *Medicine* '42
Assistant Physician
M.G.H.

*Balch, Franklin G., Jr., *Surgery* '25
Consultant in Surgery
24 Coolidge Avenue
Cambridge, Mass. 02138

*Baldessarini, Ross J.
Psychiatrist
M.G.H.

*Baldwin, John C.
2nd Year Resident in Medicine
M.G.H.

Baldwin, Wayne E., *Anesthesia* '68
I.C.R.C. Box 1161, Lagos, Nigeria

*Ballantine, H. Thomas, Jr., *Surgery* '41
Neurosurgery '41
Visiting Neurosurgeon
M.G.H.

Ballenger, James C., *Psychiatry* '74
Bethesda Naval Hospital
Department of Psychiatry
Bethesda, Md. 20014

*Ballentyne, Keith
1st Year Resident in Anesthesia
M.G.H.

Bandeian, Alice M., *Anesthesia* '44
210 Pine Street, Holyoke, Mass. 01041

Bandler, Bernard, *Psychiatry* '41
157 Brattle Street
Cambridge, Mass. 02138

Banker, Betty Q., *Neuropathology* '54
Cleveland Metropolitan General Hospital
Cleveland, Ohio 44109

Banks, Henry H., *Orthopaedics* '52
N.E.M.C.H.

Banks, Rafe, Jr., *Surgery* '43
290 Enota Drive, N.E.
Gainesville, Ga. 30501

*Barber, Doris E.
Clinical Assistant in Medicine
Middlesex County Hospital
Waltham, Mass. 02154

Barekat, Ali A., *Surgery* '67
Saadi Hospital
Shiraz, Iran

Baringer, J. Richard, *Medicine* '61
Pathology '65, *Neurology* '66
Veterans Administration Hospital
42nd Ave. & Clement Street
San Fracisco, Calif. 94121

Barker, Robert H., *Surgery* '37
454 Brookline Avenue
Boston, Mass. 02215

*Barkin, Joan W.
Assistant in Pediatrics
Chelsea Health Center
111Bellingham Street
Chelsea, Mass. 02150

Barlow, John F., *Pathology* '63
320 East 21st St., Sioux Falls, S.D. 57105

*Barlow, John S., *Neurology* '56
Neurophysiologist, Neurology
M.G.H.

Barlow, Joseph J., *Medicine* '55
Roswell Park Memorial Institute
666 Elm Street
Buffalo, N.Y. 14203

*Barnes, Ann B., *Surgery* '64
Assistant Gynecologist
M.G.H.

*Barnes, Benjamin A., *Surgery* '52
Consultant in Surgery
N.E.M.C.H.

Barnett, Charles G., *Medicine* '54
Franklin Medical Office Building
45 Castro St., Suite 138
San Francisco, Calif. 94114

*Barnett, G. Octo
Associate Physician
M.G.H.

*Barnett, Ricki Z.
1st Year Resident in Anesthesia
M.G.H.

Barnett, Thomas B., *Medicine* '50
University of North Carolina
School of Medicine
Chapel Hill, N.C. 27515

*Baron, Jean-Claude
Research Fellow in Radiology
M.G.H.

*Barr, Joseph S., Jr., *Orthopaedics* '68
Assistant Orthopaedic Surgeon
M.G.H.

Barrett, John P., Jr., *Orthopaedic Surgery* '72
1201 S. Highland Ave.
Clearwater, Fla. 33516

Barrett, Peter Van D., *Medicine* '66
29377 Quail Wood Dr.
Palos Verdes Peninsula, Calif. 90274

Barretto, Oscar de F., *Anesthesia* '44
Rua Armando Penteado 356
(Pacaembu), Sao Paulo, Brazil

*Barrie, Joseph R., *Surgery* '65
Clinical Associate in Surgery
John Cuming Building
Concord, Mass. 01742

Barron, Kenneth G., *Surgery* '75
341 Newburn Drive
Mt. Lebanon, PA 15216

Barrow, David W., *Surgery* '37
116 W. Silver Spring Drive
Milwaukee, Wis. 53217

*Barry, Herbert, Jr., *Psychiatry* '44
Honorary Psychiatrist
3 Hawthorne Place, Boston, Mass. 02114

Barry, Richard M., *Medicine* '57
464 Ocean Avenue
New London, Conn. 06320

Barsch, John H., *Anesthesia* '66
146 Nautilus Drive
Madison, Wis. 53705

Barsh, Laurence I., *Oral Surgery* '62
The Fairfield-Plaza, 790 Boylston Street
Prudential Center, Boston, Mass. 02199

*Barsky, Arthur J.
Clinical Assistant in Psychiatry
M.G.H.

Barss, Theodore P., *Anesthesia* '50
332 Windsor Ave., Medford, Ore. 97501

Barth, Tucker A., *Orthopaedics* '57
2420 N. California Street
Stockton, Calif. 95204

*Bartlett, Marshall K., *Surgery* '31
Senior Surgeon
M.G.H.

*Bartlett, Scott P.
1st Year Resident in Surgery
M.G.H.

Barton, Theodore C., *Surgery* '64
33 Pond Avenue
Brookline, Mass. 02146

*Batch, Kenneth H.
1st Year Resident in Anesthesia
M.G.H.

Bate, John T., *Urology* '25
301 W. Ormsby Avenue
Louisville, Ky. 40203

*Bates, Robert J.
1st Year Resident in Surgery
M.G.H.

Batt, Richard C., *Radiology* '40
83 Park Street, Glens Falls, N.Y. 12801

Battat, Felix A., *Orthopaedics* '61
2485 High School St., Concord, Calif. 94520

*Battit, George E., *Anesthesia* '61
Anesthetist
M.G.H.

Baue, Arthur E., *Surgery* '61
333Cedar St.
New Haven, Conn. 06510

Bauer, Frank L., *Pathology* '41
600 Grant Street
Pittsburgh, Pa. 15219

Bauer, Reginald A., *Oral Surgery* '74
1300 Granvia Altamira
Palos Verdes Estates, Calif. 90274

*Baum, Victor C.
3rd Year Resident on the Children's Service
M.G.H.

*Bauman, Margaret L., *Neurology* '70
Assistant in Pediatrics
M.G.H.

*Bauman, Roger A.
Associate Radiologist
M.G.H.

Baumgartner, Donavin A., Jr., *Surgery* '61
85 Windbrush Dr.
Moreland Hills, Ohio, 44022

Bautista, Florosa A., *Children's* '58
Veterans Memorial Hospital
Quezon City, Philippine Islands

*Bear, David M.
3rd Year Resident in Psychiatry
M.G.H.

Beardslee, William R., *Psychiatry* '74
Judge Baker Guidance Center
Longwood Avenue
Boston, Mass. 02115

Beck, Laurence H., *Medicine* '68
112 Banbury Way
Wayne, Pa. 19087

*Beck, William S.
Associate Physician; Director of
Clinical Laboratories
M.G.H.

*Becker, Carter M.
Clinical and Research Fellow in Medicine
M.G.H.

*Becker, Daniel I.
Clinical Associate in Radiology
M.G.H.

*Becker, David J.
Clinical Assistant in Medicine
M.G.H.

Becker, Lewis C., *Medicine* '68
311 Southway
Baltimore, Md. 21218

Beckman, Edwin, *Pathology* '74
Ochsner Clinic
New Orleans, La. 70121

Bedell, Richard F., *Children's* '58
285 Brookside Court
Boulder, Colo. 80302

Bedell, Wallace C., *Surgery* '45
30 Columbia Street
Poughkeepsie, NY 12601

Beeman, Carl B., *Pathology* '34
1900 Wealthy Street
Grand Rapids, Mich. 49506

Behrendt, Douglas M., *Surgery* '71
2121 Woodside Dr.
Ann Arbor, Mich. 48103

*Behringer, Glenn E., *Surgery* '52
Associate Visiting Surgeon
Chief of Surgical Clinic
M.G.H.

Beierholm, Edward A., *Anesthesia* '72
26 E. Shepard Street
Cambridge, Mass. 02138

*Beitins, Inese Z.
Assistant Gynecologist
Assistant Pediatrician
M.G.H.

Bell, Carol A., *Pathology* '65
3828 Hughes Avenue
Culver City, Calif. 91604

Bell, George O., *Medicine* '36
31 Priscilla Road
Wellesley Hills, Mass. 02181

Bell, James P., *Orthopaedics* '59
605 N.W. 10th Street
Oklahoma City, Okla. 73103

Bell, John F., *Orthopaedics* '41
Crotched Mountain Foundation
Greenfield, N.H. 03047

Bell, Michael H., *Orthopaedics* '63
10/3 195 Granville Street
Vancouver, B.C., Canada

*Beller, George A.
Clinical Assistant in Medicine
M.G.H.

*Bellinger, Martin J.
Clinical Assistant in Surgery
114 Waltham Street
Lexington, Mass. 02173

*Belsey, Richard E.
Clinical Assistant in Medicine
M.G.H.

Bendheim, Otto L., *Medicine* '38
5051 N. 34th Street
Phoenix, Ariz. 85018

*Benedict, Karl T., Jr., *Radiology* '71
Clinical Associate in Radiology
St. Vincent's Hospital
Worcester, Mass. 01110

*Benfari, Mary Jane E.
Assistant in Bacteriology
M.G.H.

Bengle, Armand L., Jr., *Surgery* '47
Anesthesia '51
626 Goodhill Rd., Kentfield, Calif. 94904

*Bennett, Doris R., *Children's* '52
Clinical Associate in Pediatrics
14 Richard Street, Medford, Mass. 02155

Bennion, Lynn J., *Medicine* '7
Phoenix Clinical Research Section
4212 North 16th Street
Phoenix, Ariz. 85016

*Benz, Ronald R., *Children's* '74
Associate Pediatrician
M.G.H.

Bercovitch, Lionel G., *Medicine* '72
5 Easton Avenue
White Plains, N.Y. 10605

*Bercu, Barry B., *Children's* '72
Clinical and Research Fellow in Pediatrics
M.G.H.

*Berenberg, William
Consultant in Pediatrics
C.H.M.C.

Berg, Gerald R., *Radiology* '74
Department of Radiology
Waterbury Hospital
64 Robbins Street
Waterbury, Conn. 06720

Berg, Howard W., *Dermatology* '36
52 Euclid Avenue, Delmar, N.Y. 12154

Berg, Robert L., *Medicine* '50
University of Rochester School of
Medicine and Dentistry
Rochester, N.Y. 14642

*Bergman, Ira, *Children's Service* '76
1st Year Resident in Neurology
M.G.H.

Berke, Raymond A., *Radiology* '70
1111 W. LaPalma Ave.
Anaheim, Calif. 92801

Berkheimer, George A., *Orthopaedics* '41
325 N. Front Street, Harrisburg, Pa. 17101

Berkowitz, Ivor D., *Pathology* '74
New England Deaconess Hospital
185 Pilgrim Road
Boston, Mass. 02215

*Berkowitz, Leonard B.
Clinical and Research Fellow in Medicine
M.G.H.

*Bernad, Peter
1st Year Resident in Neurology
M.G.H.

*Bernstein, Jerrold G.
Assistant Psychiatrist
Human Resource Institute
227 Babcock Street
Brookline, Mass. 02146

*Bernstein, Norman R., *Psychiatry* '54
Psychiatrist
M.G.H.

Bernstein, Philip, *Orthopaedic Surgery* '71
123 S. San Mateo Dr.
San Mateo, Calif. 94401

*Berrien, Frederick B.
Clinical Associate on Children's Service
Matthew Thornton Health Plan, Inc.
591 West Hollis St.
Nashua, N.H. 03060

*Bertolami, Charles N.
Clinical & Research Fellow in Oral Surgery
M.G.H.

Berwick, Donald M., *Medicine* '73
Town Street
Moodus Conn. 06469

Berzofsky, Jay A., *Medicine* '74
National Cancer Institute
Metabolism Branch, Building 10
Room 4N117, Bethesda, Md. 20014

*Beyer, Catherine H.
Assistant Pediatrician
B.H.H.C.

*Bhan, Atul K.
Assistant in Pathology
M.G.H.

Bickley, Donald W., *Medicine* '36
2001 Kimball Avenue
Waterloo, Iowa 50702

Bidwell, Robinson LeR. II, *Surgery* '43
Neurosurgery '49
31 Bramhall Street, Portland, Maine 04102

Bienvenu, Lester J., *Dermatology* '51
540 Chestnut Street
Manchester, N.Y. 03101

Bierbaum, Benjamin E., *Orthopaedics* '66
319 Longwood Avenue
Boston, Mass. 02115

*Bigby, Michael E.
3rd Year Resident in Medicine
M.G.H.

*Biggs, Peter J.
Assistant Radiation Biophysicist
in Radiation Medicine
M.G.H.

Bilheimer, David W., *Medicine* '69
6823 Prestonshire Lane
Dallas, Tex. 75225

*Billie, James D.
Chief Resident in Oral Surgery
M.G.H.

Billig, Harvey E., Jr., *Orthopaedics* '35
The Billig Clinic
401 Ross Street, Glendale, Calif. 91207

*Billings, John A.
Clinical Fellow in Medicine
M.G.H.-Chelsea Health Center
111 Bellingham Street
Chelsea, Mass. 02150

Binion, John T., *Medicine* '54
610 N. Washington Street
Dallas, Tex. 75246

*Bird, Kenneth T., *Medicine* '44
Associate Physician
M.G.H.

Birnbaum, Howard W., *Oral Surgery* '75
24 Edgeworth Ave., Hendon
London, England

Birnholz, Jason C., *Radiology* '73
Stanford University
Medical Center
Stanford, Calif. 94305

Bishop, Ronald C., *Medicine* '49
V.A. Hospital
2215 Fuller Road, Ann Arbor, Mich. 48105

*Biswas, Chitra
Assistant Biochemist (Medicine)
M.G.H.

*Biswas, Ritendra K.
Research Fellow in Dermatology
M.G.H.

Bixby, H. Irving, *Surgery* '24
155 Sippewissett Road
Falmouth, Mass. 02541

*Black, Edward B., *Radiology* '76
Assistant in Radiology
M.G.H.

*Black, Paul H., *Medicine* '61
Associate Physician
M.G.H.

*Black, Peter M., *Surgery* '72
3rd Year Resident in Neurosurgery
M.G.H.

*Blacker, Edward
Assistant Psychologist, Psychiatry
M.G.H.

Blade, William R., *Radiology* '58
303 Isabel Drive, Santa Cruz, Calif. 95060

Blades, James F., *Neurosurgery* '37
4908 Monument Avenue
Richmond, Va. 23230

*Bland, Edward F., *Medicine* '29
Senior Physician
Zero Emerson Place, Boston, Mass. 02114

*Bland, John H.L.
Associate Anesthetist
M.G.H.

*Blank, Irvin H.
Associate Biochemist, Dermatology
M.G.H.

Blennerhassett, John B., *Pathology* '71
Prof. of Pathology
University of Otago
Dunedin, New Zealand

*Bloch, Kurt J., *Medicine* '61
Physician
M.G.H.

Block, Gordon L., *Urology* '50
8138 Fontaine Court
Cincinnati, Ohio 45236

*Block, Peter C., *Medicine* '66
Assistant Physician
M.G.H.

Blodgett, Frederic M., *Children's* '50
Medical College of Wisconsin
Milwaukee, Wis. 53233

Blodgett, William H., *Orthopaedics* '40
424 Washington Rd.
Grosse Pointe, Mich. 48230

*Bloom, Edward R.
Assistant Podiatrist, Orthopaedics
41 Winter Street, Boston, Mass. 02108

*Bloomberg, Wilfred, *Neurology* '31
Consultant in Psychiatry
16 Farrar Street
Cambridge, Mass. 02138

Bloomfield, Daniel K., *Medicine* '57
103 E. Michigan Ave.
Urbana, Ill. 61801

Blubaugh, Sidney A., *Anesthesia* '65
13 East Loma Lane
Phoenix, Ariz. 85020

Blumenthal, David, *Medicine* '77
Senate Health Subcommittee
Senate Committee on Labor and
Public Welfare
Dirksen Building
Washington, D.C. 20510

*Blumer, Dietrich P.
Associate Psychiatrist
M.G.H.

*Boardman, Donnell W.
Clinical Assistant, Medicine
Acton Medical Associates
Acton, Mass. 01720

Bobroff, Lewis M., *Medicine* '70
4 Catherine Ct.
Suffern, NY 10901

*Bock, Arlie V., *Medicine* '24
Honorary Physician
75 Mt. Auburn Street
Cambridge, Mass. 02138

*Bode, Hans H.
Associate Pediatrician
S.B.I.

*Bodnar, Andrew G.
Research Fellow in Medicine
M.G.H.

*Boerstling, Herbert, *Children's* '70
Assistant in Pediatrics
Harvard Community Hospital
1611 Cambridge St.
Cambridge, Mass. 02138

Boger, William P., *Medicine* '42
Dome Labs, Division Miles Labs, Inc.
400 Morgan Lane
West Haven, Conn. 06516

*Bogosian, Armen J.
2nd Year Resident in Anesthesia
M.G.H.

*Bojar, Robert M.
1st Year Resident in Surgery
M.G.H.

Boland, Arthur L., *Orthopaedics* '67
C.H.M.C.

*Bondoc, Conrado C.
Assistant in Surgery
S.B.I.

*Bonner, Frances J.
Assistant Psychiatrist
160 Lake Avenue
Newton Centre, Mass. 02158

Bonnette, Harris L., *Neurology* '75
383 South Pine Street
Spartanburg, S.C. 29302

Bonomo, Gregory R., *Children's* '67
2800 Pacific Ave., Suite 2
Long Beach, Calif. 90806

*Bonventre, Joseph V.
2nd Year Resident in Medicine
M.G.H.

*Borah, Gregory L.
1st Year Resident in Oral Surgery
M.G.H.

*Borden, Spencer IV, *Radiology* '72
Assistant Radiologist
M.G.H.

Bordone, Lilia E., *Psychiatry* '70
Entre Rios, 830-50B
Buenos Aires, Argentina

Borer, Jeffrey S., *Medicine* '71
Cardiology Branch
National Heart, Lung and Blood Institute
Building 10, Room 7B15
National Institutes of Health
Bethesda, Md. 20014

Bornstein, Donald L., *Medicine* '62
State University Hospital
Syracuse, N.Y. 13210

Bornstein, Irving D., *Dermatology* '61
McL.

*Borofsky, Gerald L.
Assistant Psychologist (Psychiatry)
L.M.H.C.

*Borus, Jonathan F.
Assistant Psychiatrist
L.M.H.C.

Bosco, Harold F., *Surgery* '46
233 Main Street, New Britain, Conn. 06051

Botstein, Paula M., *Children's* '72
6210 Crathie Lane
Bethesda, M.D. 20016

*Boucher, Robert
Clinical and Research Fellow
in Surgery
M.G.H.

Bough, Edward W., *Medicine* '73
U.S. Army, Cardiology Clinic
Walson Army Hospital
Fort Dix, N.J. 08640

Bowden, Lemuel, *Surgery* '42
177 E. 79th Street, New York, N.Y. 10021

Bowen, Charles R., *Oral Surgery* '69
RFD #2 Grove Lane
Shelburne, Vt. 05482

Bower, Bruce F., *Medicine* '65
100 Retreat Ave.
Hartford, Conn. 06106

*Bowie, Jack E.
Assistant in Computer Science
(Medicine)
M.G.H.

*Boyd, Peter R.
2nd Year Resident in Pathology
M.G.H.

Boyd, Robert E. III, *Radiology* '74
3140 Jeffrey Drive
Joliet, Ill. 60435

*Boyd, Robert J., *Orthopaedics* '65
Assistant Orthopaedic Surgeon
Zero Emerson Place, Boston, Mass. 02114

Boyden, Allen M., *Surgery* '34
1216 S.W. Yamhill Street
Portland, Oreg. 97205

*Boyer, Arthur L.
Associate Radiation Biophysicist
(Radiation Medicine)
M.G.H.

Boyes, Joseph H., *Pathology* '30
2300 S. Hope Street
Los Angeles, Calif. 90007

Bradley, Richard D., *Pathology* '76
Naval Regional Medical Center
Great Lake, Ill. 60088

Brailey, Allen G., *Medicine* '30
1308 Walnut Street
Newton Highlands, Mass. 02161

*Braitman, Barbara S.
Assistant in Radiology
M.G.H.

*Brand, Don J.
Clinical Fellow in
Psychology (Psychiatry)
L.M.H.C.

Brand, Jeffrey B., *Anesthesia* '75
PSC 8 9499, Wilford Hall Medical Center
Lackland Air Force Base, Tex. 78236

Brannon, Leland C., *Neurosurgery* '55
7910 B Frost Street
San Diego, Calif. 92123

Brant, Rene S., *Pediatrics* '73
33 Maple Avenue
Newton, Mass. 02158

*Braslow, Nelson M.
2nd Year Resident in Medicine
M.G.H.

Braudo, Joseph L., *Children's* '53
Illinois Masonic Medical Centre
933 Wellington
Chicago, Ill. 60653

*Braun, Jory L.
Clinical Fellow in Medicine
M.G.H.

Brauner, Gary I., *Dermatology* '71
1625 Anderson Ave.
Ft. Lee, N.J. 07024

*Brazelton, T. Berry, *Children's* '47
Clinical Associate in Pediatrics
23 Hawthorne Street
Cambridge, Mass. 02138

Breer, Robert D., *Children's* 57
17 Haynes Street, Manchester, Conn. 06040

*Brem, Steven, *Neurosurgery* '74
2nd Year Resident in Neurosurgery
M.G.H.

*Brendze, Robert B.
Assistant in Orthopaedic Surgery
Zero Emerson Place, Boston, Mass. 02114

Brenizer, Addison G., Jr., *Surgery* '44
504 Doctors Building
Charlotte, N.C. 28283

Brennan, Charles G., *Orthopaedics* '69
Salem Hospital
Salem, Mass. 01970

Brent, Robert L., *Children's* '55
Jefferson Medical College
Philadelphia, Pa. 19107

Breslow, Alexander, *Pathology* '59
George Washington University Hospital
Washington, D.C. 20037

Brewer, H. Bryan, Jr., *Medicine* '67
National Heart Institute
Bethesda, Md. 20014

*Brewster, David C.
Clinical Associate in Surgery
M.G.H.

Brewster, Henry H., *Medicine* '40
University of California, Davis
510 East Magnolia Street
Stockton, Calif. 95202

Bridge, Edward M., *Children's* '27
6603 Jerry Place, McLean, Va. 22101

*Bridges, Kenneth R.
2nd Year Resident in Medicine
M.G.H.

*Briefer, Caesar, Jr., *Medicine* '63
Clinical Associate in Medicine
565 Tech Square, Cambridge, Mass. 02139

Brier, Arnold M., *Medicine* '73
120 Demont Avenue, East
Apt. 114
St. Paul, Minn. 55117

Briggs, Burton A., *Anesthesia* '70
Loma Linda University
Loma Linda, Calif. 92354

Brindley, Clyde O., *Medicine* '50
Veterans Administration Center
Mountain Home
Johnson City, Tenn. 37684

*Bringhurst, Franklin R.
Clinical & Research Fellow in Medicine
M.G.H.

*Briselli, Michael F.
2nd Year Resident in Pathology
M.G.H.

Broadus, Arthur E., *Medicine* '73
3704 Cardiff Road
Chevy Chase, Md. 20015

Brock, Benjamin L., *Children's* '23
310 Kramer St.
Carrollton, Ga. 30117

Brode, Marvin M., *Psychiatry* '72
2751 Byington Street
Ann Arbor, Mich. 48106

*Broderick, Thomas F., Jr., *Orthopaedics* '47
Clinical Associate in Orthopaedic Surgery
697 Cambridge Street
Brighton, Mass. 02135

Brodkey, Jerald S., *Neurosurgery* '66
Case Western Reserve University
2065 Adelbert Road
Cleveland, Ohio 44106

Broennle, A. Michael, Jr., *Anesthesia* '71
Children's Hospital of Philadelphia
Philadelphia, Pa. 19104

Brons, Ronald E., *Anesthesia* '72
1127 Corvallis Drive
San Jose, Calif. 95120

Brooks, Benjamin R., *Neurology* '74
11015 Drumm Avenue
Kensington Heights, Md. 20795

Brooks, Peter T., *Surgery* '49
Walla Walla Clinic
Walla Walla, Wash. 99362

Broome, Robert A., Jr., *Medicine* '44
3 W. Columbia Street, Orlando, Fla. 32806

*Broudy, Arnold S.
Assistant in Orthopaedic Surgery
M.G.H.

*Brown, C. Allan
Clinical & Research Fellow in Medicine
M.G.H.

Brown, Charles E., *Neurosurgery* '68
Meharry Medical College
Nashville, Tenn. 37208

Brown, Crawford S., *Dermatology* '52
8218 Wisconsin Avenue
Bethesda, Md. 20014

Brown, F. Bert, *Orthopaedics* '37
17E 52nd Street
Savannah, Ga. 31405

Brown, Lloyd, *Neurosurgery* '38
186 State Street
Bangor, Maine 04401

Brown, Michael S., *Medicine* '68
University of Texas
Southwestern Medical School
5323 Harry Hines Boulevard
Dallas, Tex. 75235

Brown, Norman K., *Medicine* '58
3163 West Laurelhurst Drive
Seattle, Wash. 98105

Brown, R. Gordon, *Pathology* '42
122 S. Michigan Avenue
Chicago, Ill 60603

Brown, Robert H., *Surgery* '45
MRC 45, Bangor, Maine 04401

Brown, Robert K., *Surgery* '42
1727 Gilpin Street
Denver, Colo. 80218

*Brown, Stephen G.
2nd Year Resident in Orthopaedic Surgery
M.G.H.

*Brown, Thornton, *Orthopaedics* '49
Visiting Orthopaedic Surgeon
M.G.H.

Browne, Thomas R., *Neurology* '75
Dept. of Neurology
Boston University School of Medicine

*Brownell, Gordon L.
Physicist (Radiology)
M.G.H.

Brownsberger, Carl N., *Medicine* '57
2014 Washington Street
Newton Lower Falls, Mass. 02162

Brownstein, Carlton S.,*Dermatology* '72
1180 Beacon St.
Brookline, Mass. 02146

Brubaker, Richard F., *Surgery* '64
718 9th Street, S.W.
Rochester, Minn. 55901

Brues, Austin M., *Medicine* '32
Argonne National Laboratory
Argonne, Ill. 60439

*Bruner, John M.R.
Associate Anesthetist
M.G.H.

Brunjes, Carl F., *Orthopaedics* '65
209 Medical Center Building
Spokane, Wash. 99204

*Bruns, Romaine R.
Associate Biologist (Medicine)
M.G.H.

Buchanan, Robert N., Jr., *Dermatology* '41
1905 Hayes Street, Nashville, Tenn. 37203

Buchanan, Thomas M., *Medicine* '69
The Rockefeller University
New York, N.Y. 10021

Buchanan, William R., Jr., *Children's* '57
59 Sanderson Street
Greenfield, Mass. 01301

*Bucher, Nancy L.R.
Associate Biologist, Medicine
M.G.H.

*Buckley, Mortimer J., Jr., *Surgery* '66
Visiting Surgeon
M.G.H.

Bunker, John P., *Surgery* '46, *Anesthesia* '50
Standord Medical Center
Palo Alto, Calif, 04304

Bunting, Douglas III, *Surgery* '76
Plastic Surgery Service
Wilford Hall, USAF Medical Center
(AFSC) Lackland AFB, Tex. 78236

*Burbank, Charles B., *Surgery* '42
Clinical Associate in Surgery
94 Pleasant Street
Arlington, Mass. 02174

Burden, Charles E., *Children's* '61
1 North St., Bath, Maine 04530

*Burdick, James F.
Clinical and Research Fellow in Surgery
M.G.H.

*Burgin, Leo B., *Children's* '61
Senior Pediatrician
153 Kent Street, Brookline, Mass. 02146

Burke, Donald S., *Medicine* '76
Walter Reed Army Institute of Research
Walter Reed Army Medical Center
Washington, D.C. 20012

*Burke, John F., *Surgery* '57
Surgeon; Chief, Shriners Burns Institute
S.B.I.

*Burke, Mervyn F., Jr., *Surgery* '61
1300 South Eliseo Drive
Greenbrae, Calif, 94904

Burke, Robert E., *Medicine* '63, *Neurology* '64
National Institutes of Health
Bethesda, Md. 20014

Burland, George R., *Surgery* '53
Olds, Alberta, Canada

*Burnes, Daniel C.
2nd Year Resident in Dermatology
M.G.H.

*Burnham, Charles A.
Associate Physicist (Radiology)
M.G.H.

*Burns, Barbara J.
Assistant Psychologist (Psychiatry)
B.H.H.C.

Burstein, Nelson, A., *Pathology* '70
B.I.H.

Burton, David A., *Medicine* '71
5770 South 3rd East
Salt Lake City, Utah 84107

*Burton, James A.
Assistant Biochemist (Medicine)
M.G.H.

Burton, Richard I., *Orthopaedics* '68
University of Rochester Medical Center
Rochester, N.Y. 14642

*Bush, Michael A.
Clinical and Research Fellow in Medicine
M.G.H.

Bushnell, Leonard S., *Anesthesia* '65
B.I.H.

*Butler, Allan M.
Honorary Pediatrician
Tashmoo Farm
Vineyard Haven, Mass. 02568

Butler, Henry E., *Psychiatry* '73
Box 330 R.D. 1
Cooperstown, N.Y. 13326

Butler, William T., *Medicine* '65
Baylor College of Medicine
Texas Medical Center
Houston, Texas 77025

Buttles, Roy W., *Pathology* '50
Central Vt. Medical Center
Barre, Vt. 05641

Byers, Randolph K., *Medicine* '23
C.H.M.C.

Byrnes, Roy L., *Pathology* '54
P.O. Box 1027
San Juan Capistrano, Calif. 92675

*Cable, William J.
2nd Year Resident on the Children's Service
M.G.H.

Cade, Jerry D., *Children's* '74
P.O. Box 397
San Clemente, Calif. 92672

Cahan, Leslie D., *Surgery* '72
Department of Neurosurgery
University of California, Los Angeles
Center for the Health Science
Los Angeles, Calif. 90024

*Cahen, Lucienne A., *Children's Service,* '74
Clinical Fellow in Pediatrics
56 Chilton Street
Cambridge, Mass. 02138

Calderon, Doninador C., *Dermatology* '67
Calfur Hotel
Thomas Claudio Street
Davao City, Philippine Islands

*Calderwood, Stephen B.
3rd Year Resident in Medicine
M.G.H.

Calkins, Evan, *Medicine* '52
Buffalo General Hospital
Buffalo, N.Y. 14203

Cameron, Howard S., *Orthopaedics* '57
450 Central Avenue
London, Ontario, Canada

Campbell, Carlos C., *Children's* '72
c/o United States Embassy, El Salvador
Central American Research Station
APO New York, N.Y. 09889

Campbell, Charles R., *Pathology* '55
100 S. San Mateo Drive
San Mateo, Calif. 94401

*Campbell, Crawford J.
Visiting Orthopaedic Surgeon
M.G.H.

*Campion, Edward W.
3rd Year Resident in Medicine
M.G.H.

*Cancelosi, Susan E.
Research Fellow in Medicine
M.G.H.

*Caner, G. Colket, *Medicine* '24
Honorary Neurologist
63 Marlborough Street, Boston, Mass. 02116

*Canessa, Mitzy L.
Visiting Associate Biologist
(Medicine)
M.G.H.

Canlas, Benjamin D., Jr., *Pathology* '56
College of Medicine
University of the Philippines
Manila, P.I.

Cannellos, George P., *Surgery* '61, *Medicine* '66
Sidney Farber Cancer Center
Boston, Mass. 02115

*Cannon, Bradford
Senior Surgeon
M.G.H.

*Cannon, Helen C., *Children's* '70
Clinical Associate in Pediatrics
M.G.H.

*Cannon, Lovick E.
Assistant in Biochemistry (Medicine)
M.G.H.

*Cannon, Woodward, *Surgery* '73
5th Year Resident in Surgery
M.G.H.

Cantlon, Edwin L., *Surgery* '41
129 West 6th Street, Reno, Nev. 89503

Cantor, Frederic K., *Neurology* '67
Georgetown University Hospital
3800 Reservoir Road N.W.
Washington, D.C. 20007

Cantu, Robert C., *Neurosurgery* '67
John Cuming Bldg.
Concord, Mass. 01742

Canty, Timothy G., *Surgery* '74
University of Louisville Medical School
Louisville, Ky. 40203

Caplan, Charles J., *Medicine* '76
2160 Greentree Road
Apartment 504W
Pittsburgh, Penn. 15220

*Caplan, Gerald
Consultant in Psychiatry
58 Fenwood Road, Boston, Mass. 02115

Caplan, Lewis, *Dermatology* '40
333 41st Street
Miami Beach, Fla. 33140

Caplan Louis R., *Neurology* '70
B.I.H.

Capps, Richard B., *Medicine* '32
1725 W. Harrison Street
Chicago, Ill 60612

*Carebello, Blase A.
Clinical Fellow in Medicine
M.G.H.

Cardenal, Fernano A., *Orthopaedics* '59
World Health Organization
B.P., 1899, Kinshasa
Zaire, Republic of the Congo

*Cares, Herbert L.
Clinical Associate in Neurosurgery
248 Windsor Road
Waban, Mass. 02168

Carey, John M., *Surgery* '46
1211 North Shartel
Oklahoma City, Okla. 73103

*Carey, Robert W., *Medicine* '61
Associate Physician
M.G.H.

*Carl, Charles W., Jr.
Assistant in Psychiatry
East Boston-Winthrop Mental Health Clinic
14 Porter Street
East Boston, Mass. 02128

Carlton, Frank E., *Urology* '66
Savannah Urological Clinic
2515 Habersham St.
Savannah, Ga. 31401

Carmody, John T.B., *Neurosurgery* '36
65 Elm St., Worcester, Mass. 01609

Carmona, Robert A., *Anesthesia* '70
Victoria General Hospital
2340 Pembina Highway
Winnipeg, Manitoba, Canada R3T 2E8

Carroll, Brian C., *Anesthesia,* '68
Framingham Union Hospital
Framingham, Mass. 01710

Carroll, Robert E., *Orthopaedics* '44
Columbia-Presbyterian Medical Center
161 Fort Washington Avenue
New York, N.Y. 10032

*Carter, Edwin A., *Surgery* '60
Assistant in Biochemistry (Medicine)
M.G.H.

*Carter, Edwin L., *Surgery* '60
Associate Visiting Surgeon
M.G.H.

*Carter, Franklin
Associate Psychiatrist
202 Brattle Street
Cambridge, Mass. 02138

Carter, George B., *Radiology* '62
3404 Arrowhead Dr.
Edmund, Okla. 73034

Carter, George H., *Medicine* '47, *Psychiatry* '48
10 Garden Terrace, Cambridge, Mass. 02138

Carter, James R., Jr., *Medicine* '64
Presbyterian-U. of Penn. Medical Center
51 N. 39th St., Philadelphia, Pa. 19104

*Carter, Lucille P.
Consultant in Psychiatry
17 Trinity Terrace
Newton Centre, Mass. 02159

*Caruso, Michael G., *Dermatology* '74
Clinical Associate in Dermatology
Furnace Brook Parkway
Quincy, Mass. 02169

*Carvalho, Angelina C.
Clinical Assistant in Medicine
M.G.H.

Cascario, Nicholas, Jr., *Oral Surgery* '44
419 South 3rd St., Bangor, Pa. 18013

Case, Clarke T., *Surgery* '43
1402 Genesse St., Utica, N.Y. 13502

*Cass, John W., *Medicine* '31
Honorary Physician
39 Commonwealth Avenue
Boston, Mass. 02116

*Cass, Leo M.
Clinical Fellow in Medicine
B.H.H.C.

*Cassem, Edwin H., *Psychiatry* '70
Assistant Psychiatrist
M.G.H.

Casten, Virgil G., *Neurology* '29
412 Beacon Street, Boston, Mass. 02115

*Castleman, Benjamin, *Pathology* '34
Honorary Pathologist
100 Charles River Plaza
Boston, Mass. 02114

*Castro, Francisco R.
Research Fellow in Medicine
M.G.H.

*Castronovo, Frank R., Jr.
Assistant Physicist in Radiology
M.G.H.

Catlin, Randolph Jr., *Psychiatry* '62
209 Cliff Road
Wellesley, Mass. 02181

Caudill, Estill L., *Urology* '73
Beverly Hospital
Beverly, Mass. 01915

*Caufield, Page W.
Clinical Fellow in Oral Surgery
M.G.H.

*Cavanaugh, James J.A.
Clinical Associate in Pediatrics
M.G.H.

*Caviness, Verne S., Jr., *Medicine* '64
Neurology, Pathology '67
Assistant Neurologist
M.G.H.

Chaffin, George L., *Surgery* '21, *Urology* '21
132 North Hudson Avenue
Los Angeles, Calif. 90004

*Chaglassian, John H., *Orthopaedic Surgery* '74
Clinical Associate in Orthopaedic Surgery
94 Pleasant Street
Arlington, Mass. 02174

Chaharyn, Joanne C., *Anesthesia* '75
N.E.M.C.H.

Chai, Joyce K. Wong, *Children's* '60
2100 Via Venado Street
La Canada, Calif. 91011

Chamberlin, Harrie R., *Children's* '49
University of North Carolina
School of Medicine
Chapel Hill, N.C. 27514

Chamberlin, Robert W., Jr., *Children's* '59
University of Rochester Medical Center
Rochester, N.Y. 14620

*Chan, William B.
Clinical and Research Fellow
in Anesthesia
L.M.H.C.

*Chandler, Hugh P., *Orthopaedics* '62
Assistant Orthopaedic Surgeon
M.G.H.

*Chang, Gloria J.
1st Year Resident in Radiology
M.G.H.

*Chapin, David S., *Surgery* '66
Assistant in Gynecology
1 Hawthorne Pl., Boston, Mass. 02114

Chaplin, Hugh Jr., *Medicine* '50
Washington University School of Medicine
St. Louis, Mo. 63310

Chapman, C. Ethelyn, *Anesthesia* '38
165 No. Swall Drive, #202
Beverly Hills, Calif. 90211

*Chapman, Earle M., *Medicine* '34
Senior Physician M.G.H.

*Chapman, Paul H., *Surgery* '66, *Neurology* '72
Assistant in Neurosurgery
M.G.H.

Char, Devron, *Medicine* '72
455 Upper Terrace #1
San Francisco, Calif. 94117

Charash, Leon J., *Children's* '52
31 Kodiak Drive, Woodbury, N.Y. 11797

Chase, Thomas N., *Neurology* '64
National Institutes of Health
Bethesda, Md. 20014

Chavez-Peon, Federico, *Surgery* '70
Institute Nacional de la Nutricion
Hospital de Enfermedades de la Nutricion
Mexico D.F.

*Chayet, Neil L.
Consultant in Forensic Psychiatry
6 Fayette Street
Boston, Mass. 02116

*Chedekel, David S.
Assistant Psychologist (Psychiatry)
L.M.H.C.

*Cheeseman, Sarah H., *Medicine* '75
Clinical and Research Fellow in Medicine
M.G.H.

*Chelmicka-Kizlich, Ewa E.
Assistant in Immunology (Neurology)
M.G.H.

Chen, Lincoln C., *Medicine* '70
Ford Foundation
320 East 43rd Street
New York, N.Y. 10017

*Cheng, Vincent S., *Radiation medicine* '74
Assistant in Radiation Medicine
M.G.H.

*Cherlin, Richard S.
Clinical & Research Fellow in Medicine
M.G.H.

Chernoff, Amoz I., *Medicine* '48
Memorial Research Center
University of Tennessee
Knoxville, Tenn. 37920

*Chesler, David A., *Medicine* '73
Associate Physicist (Radiology)
M.G.H.

Chess, Leonard, *Medicine* '73
B.I.H.

*Chiang, Han Twu, *Anesthesia* '71
Clinical Associate in Anesthesia
M.G.H.

*Chiappa, Keith H., *Neurology* '73
Assistant in Neurology
M.G.H.

*Chin, William W.
Clinical & Research Fellow in Medicine
M.G.H.

*Choi, Chan H.
Assistant Radiation Therapist
in Radiation Medicine
M.G.H.

Choras, Peter T., *Psychiatry* '63
225 Winter Street
Weston, Mass. 02198

*Chou, Iih-Nan
Assistant in Biochemistry (Medicine)
M.G.H.

Christman, George, *Oral Surgery* '52
F. Tataket Square
Falmouth, Mass. 02536

*Christopher, Charles W.
Assistant in Biochemistry (Medicine)
M.G.H.

*Chu, Ann Maria
Assistant Radiation Therapist in
Radiation Medicine
M.G.H.

*Chuong, Robert
1st Year Resident in Oral Surgery
M.G.H.

Churchill, W. Hallowell, Jr., *Medicine* '69
R.B.B.H.

*Chute, Richard, *Surgery* '29
Honorary Urologist
78 Upland Rd., Brookline, Mass. 02146

Ciano, Joseph F., *Oral Surgery* '54
157 Washington Street
Quincy, Mass. 02169

Cihak, Robert J., *Radiology* '70
Gray's Harbor Community Hospital
Aberdeen, Wash. 98520

*Cipolloni, Patsy B., *Neurology* '73
Assistant Pediatrician
2 Briggs Road
Lexington, Mass. 02173

Civantos, Francisco, *Pathology* '66
St. Francis Hospital
250 W. 63rd Street
Miami Beach, Fla. 33141

Claman, Henry N., *Medicine* '58
University of Colorado Medical Center
Denver, Colo. 80220

*Clark, John G., Jr., *Psychiatry* '55
Consultant in Psychiatry
476 Conant Road, Weston, Mass. 02193

Clark, Mark W, *Medicine* '76
Cambridge Hospital
Cambridge, MA 02138

*Clark, Mary B.
Assistant in Biochemistry (Medicine)
M.G.H.

*Clark, Richard A.
1st Year Resident in Dermatology
M.G.H.

*Clark, Richard J., *Medicine* '33
Honorary Physician
34 Mayflower Lane
Duxbury, Mass. 02332

*Claydon, Charles T.
Clinical Associate in Surgery
Martha's Vineyard Hospital
Oak Bluffs, Mass. 02557

*Clegg, Herbert W.
2nd Year Resident on the Children's
Service
M.G.H.

Clement, James D., Jr., *Surgery* '44
77 Essex Street
Bangor, Maine 04401

Clement, Philip B., *Pathology* '74
Department of Pathology
Vancouver General Hospital
855 West 12th Ave.
Vancouver, B.C.
Canada V52 1M9

Clement, S. Preston, Jr., *Medicine* '56
1500 So. Lodge Drive
Sarasota, Fla. 33579

Clemmons, David R., *Medicine* '76
Johns Hopkins Hospital
Baltimore, M.D. 02133

*Clifford, M. Henry, *Medicine* '33
Honorary Physician
6 Gould Road
Bedford, Mass. 01730

Clifford, Stewart H., *Medicine* '27
B.H.W.

*Cline, Herbert S., *Psychiatry* '56
Assistant in Psychiatry
1146 Beacon Street
Brookline, Mass. 02146

*Cloherty, John P., *Children's* '69
Assistant in Pediatrics
391 Longwood Avenue
Boston, Mass. 02115

Clough, Donald M., *Surgery* '75
George Washington Turnpike
Burlington, Conn. 06085

Clouse, Melvin E., *Radiology* '64
N.E.D.H.

Clowes, George H.A., Jr., *Surgery* '48
Pegan Lane, Dover, Mass. 02023

Cobb, Cully A., Jr., *Neurology* '48
Medical Arts Building
Nashville, Tenn. 37212

Cobbs, Beverly W., Jr., *Medicine* '55
Emory University Clinic
Box 459, Atlanta, Ga. 30322

*Cochavi, Saadia
Research Fellow in Radiology
M.G.H.

*Cochran, William D., *Children's* '54
Associate Pediatrician
B.H.W.

*Codington, John F.
Associate Biochemist (Medicine)
M.G.H.

Coffey, Edward L., Jr., *Orthopaedics* '66
Department of Pathology
North Shore Hospital
Manhasset, L.I., N.Y. 11030

Coggeshall, Howard C., *Medicine* '35
3710 Swiss Ave.
Dallas, Tex. 75204

*Coggins, Cecil H., *Medicine* '59
Associate Physician
M.G.H.

*Cohan, Lawrence D.
3rd Year Resident on
the Children's Service
M.G.H.

*Cohen, Alfred M., *Surgery* '75
Assistant in Surgery
M.G.H.

*Cohen, Benjamin E.
Chief Resident in Surgery
M.G.H.

*Cohen, Carla B., *Children's* '74
Assistant Pediatrician
M.G.H.

*Cohen, Elliott L.
Clinical Associate in Medicine
Director, Emergency Services
University of Massachusetts
Medical Center
55 Lake Avenue North
Worcester, Mass. 01605

*Cohen, George L., *Medicine* '67
Assistant in Medicine
10 Hawthorne Pl.,
Boston, Mass. 02114

*Cohen, John M., *Children's* '66
Clinical Associate in Pediatrics
332 Washington Street
Wellesley Hills, Mass. 02181

Cohen, Jonathan, *Orthopaedics* '50
C.H.M.C.

*Cohen, Mandel E., *Psychiatry* '36
Senior Neurologist
M.G.H.

Cohen, Max H., *Surgery* '72
11412 Woodington Terrace
Rockville, Md. 20854

Cohen, Philip, *Medicine* '72
4977 Battery Lane, Apt. 108
Bethesda, Md. 20014

*Cohen, Raquel E.
Associate Psychiatrist
770 Boylston St. PH-A
Boston, Mass. 02161

*Cohen, Richard B., *Pathology* '53
Consultant in Pathology
B.I.H.

*Cohen, Saul H.
Assistant in Pediatrics
One Salem Street
Wakefield, Mass. 01880

*Cohen, Suzanne L.
Clinical and Research Fellow
in Psychology (Psychiatry)
M.G.H.

Cohn, Roy B., *Pathology* '33
Neurosurgery '34, *Surgery* '37
Stanford Medical Center
Palo Alto, Calif. 94304

Cohn, Zanvil A., *Medicine* '55
Rockefeller Institute for Medical Research
66th and York Avenue
New York, N.Y. 10021

*Cole, Edwin M., *Neurology* '32, *Psychiatry* '34
Honorary Neurologist
M.G.H.

Cole, Enser W. III, *Medicine* '73
Immunology Branch
National Cancer Institute
Bethesda, Md. 20014

*Coleman, William S.
3rd Year Resident in Surgery
M.G.H.

Coles, Martin R., *Psychiatry* '56
75 Mount Auburn Street
Cambridge, Mass. 02138

Coley, Mary S., *Children's* '55
253 Ridgewood Road
West Hartford, Conn. 01607

Collins, David L., Jr., *Surgery* '61
Cabarrus Medical Building
Concord, N.C. 28025

Collins, George H., *Pathology* '59
College of Medicine
Upstate Medical Center
Syracuse, N.Y. 13210

Collins, H. Douglas, *Medicine* '55
12 East Chestnut Street
Augusta, Maine 04330

Collins, Richard, *Surgery* '33
204 Vassar Place, Alexandria, Va. 22314

Collins, Robert C., *Medicine* '70
9511 Bulls Run Parkway
Bethesda, Md. 20034

Colquhoun, John B., *Orthopaedics* '27
85 Spring Street,
Melbourne, Australia

*Colton, Clark K.
Assistant in Chemical Engineering,
Anesthesia
Dept. of Chemical Engineering
MIT, Room 12-148A
Cambridge, Mass. 02139

*Colvin, Robert B., *Surgery* '69, *Pathology* '71
Assistant in Pathology
M.G.H.

*Common, Jane R.
Clinical Fellow in Psychology
(Psychiatry)
M.G.H.

Conboy, Edward A., *Psychiatry* '70
Danvers State Hospital
Hathorne, Mass. 01937

*Concannon, Robert N.
Clinical Fellow in Anesthesia
M.G.H.

Conley, James E., *Surgery* '42
425 E. Wisconsin Avenue
Milwaukee, Wis. 53202

Conn, Melvin L., *Radiology* '75
9645 Baymeadows Road
Jacksonville, Fla. 32216

Connelly, John P., *Children's* '62
c/o American Academy of Pediatrics
1801 Hinman Ave.
Evanston, Ill. 60204

*Connolly, Thomas W.
2nd Year Resident in Oral Surgery
M.G.H.

Conrad, Elizabeth, *Children's* '45
2240 Cloverdale Avenue
Winston-Salem, N.C. 27103

*Constable, John D., *Surgery* '59
Visiting Surgeon
9 Whittier Place, Room 1A
Boston, Mass. 02114

*Conway, Richard E., *Orthopaedics* '63
79 Highland Avenue, Salem, Mass. 01970

Cook, Charles D., *Children's* '49
Yale University School of Medicine
New Haven, Conn. 06510

*Cook, I. Kathleen H., *Surgery* '75
2nd Year Resident in Urology
M.G.H.

Coolidge, John C., *Children's* '45
141 Coolidge Hill, Cambridge, Mass. 02138

Coolidge, Thomas B., *Medicine* '29
5755 S. Dorchester Avenue
Chicago, Ill. 60637

Coons, Albert H., *Medicine* '39
H.M.S.

*Cooper, David S.
Clinical and Research Fellow in Medicine
M.G.H.

*Cooper, Jeffrey B.
Assistant Biomedical Engineer
(Anesthesia)
M.G.H.

Cooper, Joel D., *Surgery* '72
Toronto General Hospital
Toronto, Ontario, Canada

*Cooperman, Sheldon, *Pathology* '61
Clinical Assistant in Pathology
Union Hospital
Lynn, Mass. 01901

*Cooper-Smith, Mindy E.
2nd Year Resident in Pathology
M.G.H.

*Cope, Oliver, *Surgery* '32
Senior Surgeon
Zero Emerson Place, #2F
Boston, Mass. 02114

Cope, Stuart, *Orthopaedics* '70
Newton-Wellesley Hospital
Newton, Mass. 02162

*Copeland, Michelle
Clinical and Research Fellow in
Oral Surgery
M.G.H.

Copeland, Robert B., *Medicine* '67
Clark-Holder Clinic
La Grange, Ga. 30420

*Cordero, Jose F.
Clinical and Research Fellow
in Pediatrics
M.G.H.

*Cordova, Arturo
Clinical and Research Fellow in Medicine
M.G.H.

*Cori, Carl F.
Visiting Biochemist in Medicine
M.G.H.

Corkery, Joseph C., *Pathology* '74
205 Kent Street
Brookline, Mass. 02146

*Corkin, Suzanne H.
Consultant in Psychology
(Neurosurgery)
MIT, Department of Psychology
E10-003A
Cambridge, Mass. 02139

Cornetta, William J. III, *Pathology* '73
40 Mountain Avenue
Swampscott, Mass. 01907

Corning, Howard B., *Medicine* '69
11 Gardiner Road
Woods Hole, Mass. 02543

*Correia, John A.
Assistant in Physics, Radiology
M.G.H.

*Correll, Joan E.
Assistant in Physics (Radiology)
M.G.H.

Corry, Robert J., *Surgery* '69
University of Iowa Hospitals
Iowa City, Iowa 52242

Cosby, Richard S., *Medicine* '40
10 Congress Street, Pasadena, Calif. 91105

Cosgrove, Delos M., *Surgery* '74
9500 Euclid Avenue
Cleveland Clinic, Cleveland, Ohio 44106

*Cosimi, A. Benedict, *Surgery* '70
Assistant Surgeon
M.G.H.

Cotter, Walter C., *Neurosurgery* '57
339 Angell Street, Providence, R.I. 02906

Cotzias, George C., *Neurology* '45
Medicine '46
Medical Department
Brookhaven National Laboratory
Associated Universities, Inc.
Upton, N.Y. 11973

*Counter, Samuel A., Jr.
Assistant in Neurophysiology
Harvard Biology Department
16 Divinity Street
Cambridge, Mass. 02138

*Courey, W. Robert
Clinical Associate in Radiology
Cardinal Cushing General Hospital
235 N. Pearl Street
Brockton, Mass. 02401

*Covino, Benjamin G.
Clinical Fellow (Acting 2nd Year
Resident) in Anesthesia
M.G.H.

Cozen, Lewis N., *Orthopaedics* '38
6221 Wilshire Blvd.
Los Angeles, Calif. 90048

Craige, Ernest, *Medicine* '48
North Carolina Memorial Hospital
Chapel Hill, N.C. 27515

Crandell, Walter B., *Surgery* '41
Veterans Administration Hospital
White River Junction, Vt. 05001

*Crapo, Lawrence M.
Clinical and Research Fellow in Medicine
M.G.H.

Craver, Joe M., *Surgery* '72
3602 Nancey Creek Road N.W.
Arlanta, Ga. 30327

Crawford, Ernest S., *Surgery* '54
Baylor University College of Medicine
Houston, Tex. 77025

Crawford, George E., *Medicine* '74
Patrick Air Force Base
Cocoa, Beach, Fla. 32931

Crawford, Henry B., *Orthopaedics* '32
15 Prince Street, Rochester, N.Y. 14607

*Crawford, John D., *Children's* '49
Pediatrician
M.G.H.

Cresanta, Daniel A., *Anesthesia* '74
Department of Anesthesiology
University of Alabama in Birmingham
University Station
Birmingham, Ala. 35294

Croll, Diane, *Pathology* '48
4221 Basswood Road
Minneapolis, Minn. 55416

*Cromer, Ward J.
Assistant in Psychology (Psychiatry)
B.H.H.C.

Crone, Neil L., *Medicine* '37
74 Village Hill Road
Belmont, mass. 02178

*Crone, Robert k., *Children's* 74
Clinical & Research Fellow in Anesthesia
M.G.H.

*Cronkhite, Leonard W., Jr., *Medicine* '53
Honorary Physician
Director, C.H.M.C.

*Crooks, Kiran K.
2nd Year Resident in Urology
M.G.H.

Crothers, Omar D. III, *Orthopaedics* '74
7 Bramhall St.
Portland, Maine 04102

*Crowell, Robert M., *Surgery* '67
Assistant Visiting Neurosurgeon
M.G.H.

*Crowley, William F., Jr., *Medicine* '74
Clinical and Research Fellow in Medicine
M.G.H.

Crutcher, William, *Dermatology* '71
935 Trancas Street
Napa, Calif. 94558

Crystal, Ronald G., *Medicine* '70
6D06, Building 10
National Heart & Lung Institute
Bethesda, Md. 20014

*Cserr, Robert
Consultant in Psychiatry
Outlook Hospital
Hampstead, N.H. 03841

*Cullen, David J.
Associate Anesthetist
M.G.H.

*Culver, Perry J., *Medicine* '42
Associate Physician
M.G.H.

Curd, John G., *Medicine* '72
6547 Mercer Street
San Diego, Calif. 92122

Curfman, Gregory D., *Medicine* '74
Cardiovascular Division
P.B.B.H.

*Curren, Franklin C., *Psychiatry* '70
Assistant in Psychiatry
L.M.H.C.

*Currens, James H.
Assistant in Medicine
M.G.H.

Currie, Richard A., *Surgery* '54
11086 Wineglass Ct.
Columbia, Md. 21044

*Curtin, Richard R., *Surgery* '57
Clinical Associate, Surgery
Exeter Clinic, Exeter, N.H. 03833

*Curwen, William L.
Clinical Associate in Dermatology
M.G.H.

Cutler, Bruce S.J., *Surgery* '73
Department of Surgery
University of Massachusetts Medical Center
55 Lake Avenue North
Worcester, Mass. 01605

Cutts, Frank B., *Medicine* '34
315 Olney St., Providence, R.I. 02906

*Cywinski, Jozef K.
Chief of Medical Engineering
M.G.H.

*Daggett, Willard M., Jr., *Surgery* '66
Assoc. Visiting Surgeon
M.G.H.

*Dagi, Teodoro F.
2nd Year Resident in Neurosurgery
M.G.H.

Dahl, Lewis K., *Medicine* '47
Medical Department, Brookhaven National
Lab., Associated Universities, Inc.
Upton, N.Y. 11973

*Daland, Ernest M., *Surgery* '18
Consultant in Surgery
Gov. Prence Road
Brewster, Mass. 02631
Brewster, Mass. 02631

Dale, David C., *Medicine* '68
Department of Medicine
University of Washington
Seattle, Wash. 98195

D'Allesandro, Genesio L., *Anesthesia* '50
275 Forest Ave., Glen Ridge, N.J. 07028

Dalrymple, Willard, *Medicine* '47
University Health Service
Princeton University
Princeton, N.J. 08540

*Dalton, Brian C.
Associate Anesthetist
M.G.H.

*Dalton, John C.
Assistant Physician
8 Hawthorne Pl., Boston, Mass. 02114

*Daly, James J., *Pathology* '66
M.G.H.

*Daly, John S.F.
Assistant in Urology
M.G.H.

Damiani, C. Robert, *Dermatology* '46
50 Franklin St.
Worcester, Mass. 01608

*Daniels, Gilbert H., *Medicine* '72
Assistant Physician
M.G.H.

*Darling, R. Clement, *Children's* '54
Surgery '58
Visiting Surgeon
3 Hawthorne Place
Boston, Mass. 02114

d'Autremont, Chester, C., *Neurology* '48
C.H.M.C.

*Davalos, Mario M.P.
Research Fellow in Medicine
M.G.H.

Davanloo, Habibolah, *Psychiatry* '59
Montreal General Hospital
Montreal, Canada

David, John R., *Medicine* '61
R.B.B.H.

David, Solomon D., *Orthopaedics* '22
5505 Holly Springs Dr.
Houston, Tex. 77027

David, Frank F., *Medicine* '65
U. of Connecticut Health Center
Farmington, Conn. 06032

*Davidson, Betty A.
Assistant in Biochemistry (Medicine)
M.G.H.

*Davidson, Gerald E.
Consultant in Psychiatry
7 Harvard Square
Brookline, Mass. 02146

Davies, John A.K., *Orthopaedics* '75
4377-R White Street
Ft. Wainwright, AK 99073

*Davies, John A.V.
Honorary Pediatrician
235 Sargent Rd., Brookline, Mass. 02146

*Davies, Michael J.
Clinical Fellow in Anesthesia
M.G.H.

*Davies, Wayne A.
Research Fellow in Medicine
M.G.H.

Davies, Fred G., *Anesthesia* '74
University of Mississippi Medical Center
Dept. of Anesthesiology
2500 North State Street
Jackson, Miss. 39216

Davis, James McC., *Surgery* '52
2700 Riverside Ave.
Jacksonville, Fla. 32205

*Davis, James M. III
3rd Year Resident in Radiology
M.G.H.

*Davis, Joseph E.
Clinical Fellow in Medicine
M.G.H.

*Davis, Kenneth R.
Assistant Radiologist
M.G.H.

*Davison, J. Kenneth
Clinical Fellow in Anesthesia

*Day, Calvin L., Jr.
2nd Year Resident in Medicine
M.G.H.

*Day, Max
Clinical Associate in Psychiatry
M.G.H.

*Dayer, Jean-Michael
Clinical and Research Fellow in Medicine
M.G.H.

*DeBros, Frederic M.
3rd Year Resident in Anesthesia
M.G.H.

DeBusk, Franklin L., *Children's* '50
Department of Pediatrics
College of Medicine
University of Florida
Gainesville, Fla. 32601

DeCesare, Ronald E., *Radiology* '73
Suburban Radiological Consultants, Ltd.
6800 France Avenue, South
Minneapolis, Minn. 55435

*Decker, Briant L., *Childrens* '31 *Medicine* '32
Honorary Physician
P.O. Box 281
Townshend, Vt. 05353

Dedrick, Carolyn G., *Radiology* '75
184 Vanderford Rd.,
W. Orange Park, Fla. 32073

Dedrick, Daniel F., *Anesthesia* '75
184 Vanderford Road West
Orange Park, Fla. 32073

DeGirolami, Umberto, *Pathology* '70
University of Massachusetts
Medical Center
Worcester, Mass. 01605

DeGroot, Leslie J., *Medicine* '57
Professor of Medicine
Department of Medicine
University of Chicago
Chicago, Ill. 60637

Dehner, Gerals A., *Orthopaedics* '70
Tuslog Detachment 37
APO N.Y. 09254

*DeLaney, Allen G.
Research Fellow in Surgery
M.G.H.

*Delevett, Peter C.
1st Year Resident in Anesthesia
M.G.H.

Del Guidice, Peter A., *Anesthesia* '63
Grace Hospital
Detroit, Mich. 48201

*Delong, G. Robert, *Neurology* '67
Associate Neurologist
Associate Pediatrician
M.G.H.

DeLorme, Thomas L., *Orthopaedics* '55
Milton Hospital
92 Highland Ave., Milton, Mass. 02186

d'Elseaux, Frank C., *Medicine* '29
43 Clifton Heights Lane
Marblehead, Mass. 01945

*DeLuca, Salvatore
Clinical Associate in Radiology
Cambridge City Hospital
1493 Cambridge Street
Cambridge, Mass. 02139

deMarneffe, Francis L.A., *Psychiatry* '52
McL.

DeMaso, David R., *Childrens* '76
Duke University Medical Center
Durham, N.C. 27706

*Dembner, Alan G.
3rd Year Resident in Radiology
M.G.H.

*Demirjian, Zareh N.
Assistant in Medicine
M.G.H.

de Mola, Luis L., *Pathology* '60
Alcanfores 999, Miraflores, Lima, Peru

Denton, Jane E., *Medicine* '46
19 Robertson Road
Framingham, Mass. 01701

DePriest, Oscar S., *Surgery* '61
2300 Good Hope Road S.E.
Washington, D.C. 20020

Derkac, Wayne M., *Surgery* '76
120 Center Drive, Apt. 307
Bethesda, M.D. 20014

Derrick, Charles C., *Pathology* '41
P.O. Box 475
West Dennis, Mass. 02670

Dervan, Peter A., *Pathology* '76
Mallory Institute of Pathology
784 Massachusetts Avenue
Boston, Mass. 02118

*DeSanctis, Roman W., *Medicine* '60
Physician
M.G.H.

DesGroseilliers, Jean-Pierre, *Dermatology* 71
Ottawa General Hospital
43 Bruyere, Ottawa 2, Ontario, Canada

Desire, Rebello
73 30th Road T.P.S. III
Bandra, Bombay, India 400050

*de Toeuf, Jacques
Research Fellow in Surgery
M.G.H.

Detwiler, Robert C., *Orthopaedics* '56
68 Charlton Avenue
West Hamilton, Ontario, Canada

*Deutsch, Helene
Honorary Psychiatrist
44 Larchwood Drive
Cambridge, Mass. 02138

Deutsch, Stephen D., *Orthopaedics* '75
80 Dryden Avenue
Pawtucket, R.I. 02860

*Deveau, Linda A.
Assistant in Physics (Radiology)
M.G.H.

DeVerter, John S., *Psychiatry* '73
3361 Lakeland Dr., W.W.
Roanoke, Va. 24018

*Dewey, C. Forbes, Jr.
Consultant in Biomedical Engineering (Medicine)
Room 3-250
Massachusetts Institute of Technology
77 Massachusetts Avenue
Cambridge, Mass. 02139

Dewey, Edward S., *Surgery* '21
Box 2029, Pebble Beach, Calif. 93953

Deykin, Daniel, *Medicine* '58
B.I.H.

Diamond, David B., *Medicine* '70
755 Lorenzo Avenue
Boulder Creek, Calif. 95006

*DiBona, Ronald R.
Assistant Biologist (Medicine)
M.G.H.

*DiCecca, Charles A.
2nd Year in Orthopaedic Surgery
M.G.H.

*Dickersin, G. Richard, *Pathology* '57
Associate Pathologist
M.G.H.

Dickson, Carol C., *Medicine* '48, *Children's* '49
Birch Point, Sunapee, N.H. 03782

Dickson, Dickie B., *Orthopaedic Surgery* '73
V.A.H. (W.R.)

*Dickson, William A., *Children's* '47
Clinical Associate in Pediatrics
Quanset Road
South Orleans, Mass. 02662

Diehl, Sylvia Davies, *Children's* '58
33 Maple Avenue, Madison, N.J. 07940

*Dienstag, Jules L.
Clinical & Research Fellow
in Medicine
M.G.H.

Dierker, Louise A., *Psychiatry* '72
67 Orchard Street
Belmont, Mass. 02178

Dillon, Harold T., Jr., *Pathology* '59
62 Butler Street, S.E.
Atlanta, Ga. 30303

Dillon, Victor M., *Orthopaedics* '32
2166 Hayes Street
San Francisco, Calif. 94117

*DiMarco, John P.
2nd Year Resident in Medicine
M.G.H.

Dimon, Joseph H. III, *Orthopaedics* '60
1938 Peachtree Road, N.W.
Atlanta, Ga. 30309

*Dimsdale, Joel F.
Clinical Assistant in Psychiatry
M.G.H.

*Dinale, Franco R.
Clinical Associate in Anesthesia
20 Round Hill Road
Northampton, Mass. 01060

Dinarello, Charles A., *Children's* '75
1827 23rd Street, N.W.
Washington, D.C. 20008

*Dineen, James J., *Medicine* '69
Assistant Physician
M.G.H.

Diner, Wilma J. Canada, *Pathology* '51
Radiology '54
University of Arkansas Medical Center
Little Rock, Ark. 72201

*Dinsmore, Robert E., *Radiology* '61
Radiologist
M.G.H.

Ditmore, Harry B., Jr., *Surgery* '58
4321 S.W. Washonga
Portland, Oreg. 97201

Dixon, Richard E., *Medicine* '75
Bureau of Epidemiology
Center for Disease Control
Atlanta, Ga. 30333

Dixon, Suzanne D., *Children's* '74
C.H.M.C.

Dodd, Robert B., *Anesthesia* '50
Washington University School of Medicine
St. Louis, Mo. 63110

*Dodson, Thomas F.
4th Year Resident in Surgery
M.G.H.

Dohan, F. Curtis, *Medicine* '35
Hospital of the University of Pennsylvania
Philadelphia, Pa. 19104

*Dohan, Francis C., Jr.
Assistant Immunochemist in Neurosurgery
M.G.H.

Dohrmann, George J., *Surgery* '72
Sections of Neurosurgery
and Neuropathology
Yale University School of Medicine
New Haven, Conn. 06510

Doisy, Edward A., Jr., *Medicine* '45
235 Bompart
Webster Groves, Mo. 63119

Dole, Vincent P., Jr., *Medicine* '41
Rockefeller Institute for Medicine Research
66th and York Ave.
New York, N.Y. 10021

Donaghy, Raymond M.P., *Neurosurgery* '42
Mary Fletcher Hospital
Burlington, Vt. 05401

*Donahoe, Patricia
Assistant Surgeon
45 Ash Street
Weston, Mass. 02193

Donald, James H., *Medicine* '48
801 North Cascade Ave.
Colorado Springs, Colo. 80903

*Donaldson, Gordon A., *Surgery* '42
Senior Surgeon
M.G.H.

*Donaldson, Margruder C.
4th Year Resident in Surgery
M.G.H.

*Donelan, Matthias B.
5th Year Resident in Surgery
M.G.H.

Donlon, John V., Jr., *Anesthesia* '74
M.E.E.I.

Donnelly, Elwin W., *Radiology* '61
Georgia Baptist Memorial
Atlanta, Ga. 30312

Donner, Reynout, *Pathology* '57
Academisch Ziekenhuis der Vrije
Universiteit
De Boelelaan, Amsterdam-Z.2
(Holland)

*Donoff, R. Bruce, *Oral Surgery* '71
Associate Visiting Oral Surgeon
Consultant in Dental Roentgenology
(Radiology)
M.G.H.

Donohue, John P., *Urology* '65
Indiana University Medical Center
1100 West Michigan Ave.
Indianapolis, Ind. 46027

*Donovan, Donald d.
Assistant Podiatrist, Orthopaedic Service
8 Winter St., Boston, Mass. 02108

Donovan, James F., *Orthopaedics* '57
85 Jefferson St., Hartford, Conn. 06106

*Dooling, Elizabeth C., *Neurology* '70
Assistant Neurologist
M.G.H.

*Doonan, James M.
Clinical Associate in Surgery
1101 Beacon Street, Brookline, Mass. 02146

*Doppke, Karen P.
Assistant in Radiation Biophysics
(Radiation Medicine)
M.G.H.

Dorman, John M., *Pediatrics* '73
Calif. COWELL Student Health Services
Stanford University
Stanford, Calif. 94305

*Dosoretz, Daniel E.
1st Year Resident in Medicine
M.G.H.

Doroshow, James H., *Medicine* '75
Apt. 1623 South
5225 Pooks Hill Road
Bethesda, Md. 20014

Dos Santos, Maria Julia L., *Anesthesia* '72
B.U.H.

*Doyle, Gerald J.
Clinical Associate in Medicine
Retina Associates
MEEI

Drachman, David A., *Neurology* '60
Northwestern University Medical School
Chicago, Ill. 60611

Drapkin, Mark S., *Medicine* '74
Chief of Infectious Disease Service
Newton-Wellesley Hospital
2014 Washington Street
Newton Lower Falls, Mass. 02162

Draskoczy, Camille B., *Neurology* '76
Cambridge Hospital
Cambridge, Mass. 02139

Dreier, Theodore, Jr., *Psychiatry* '63
70 Fayerweather Street
Cambridge, Mass. 02138

Dreisbach, James N., *Radiology* '76
Fitzsimmons Army Hospital
Denver, Colo. 80240

*Dretler, Stephen P., *Urology* '71
Assistant in Urology
M.G.H.

Drew, Michael A., *Orthopaedic Surgery* '71
P.B.B.H.

Drewry, Garth R., *Medicine* '53
1 Davis Blvd., Tampa, Fla. 33606

Dreyfus, Pierre M., *Neurology* '55
University of California
Davis, Calif. 95616

*Dreyfuss, Jack R.
Radiologist
Zero Emerson Place
Boston, Mass. 02114

*Driscoll, Robert A.
Clinical Associate in Pediatrics
464 Granite Avenue,
Milton, Mass. 02186

*Drop, Lambertus J., *Anesthesia* '71
Assistant Anesthetist
M.G.H.

DuBois, Carol S., *Psychiatry* '75
6921 Topaz Drive S.W.
Tacoma, Wash. 98499

DuBois, Jay G., *Pathology* '75
6921 Topaz Drive S.W.
Tacoma, Wash. 98499

*DuComb, Laurence E.
1st Year Resident in Psychiatry
M.G.H.

*Dudani, Niranjankumar
Clincal Fellow in Medicine
M.G.H.

Duff, Arthur W., *Pathology* '64
St. Francis Hospital
900 Hyde Street
San Francisco, Calif. 94109

Duffy, Frank H., *Neurosurgery* '65
4 Bryden Rd., Weston, Mass. 02193

*Duggan, John A.
Clinical Associate in Pediatrics
630 Plantation St.
Worcester, Mass. 01605

Dumont, Matthew P.
Assistant Psychiatrist
190 Portland Street
Boston, Mass. 02114

Duncan, Gary W., *Neurology* '73
Vanderbilt University School of Medicine
Department of Neurology
Nashville, Tenn. 37200

Duncombe, Alfred L., *Medicine* '34
366 Pleasant Street, Brocton, Mass. 02401

Dunkman, W. Bruce, *Medicine* '70
U. of Pa. Cardiology Service
Philadelphia V.A. Hospital
Philadelphia, Pa. 19104

Dunn, Fa-Chi, *Dermatology* '54
Kaiser Foundation Hospital
Oakland, Calif. 94611

Dunn, William L., *Pathology* '60
University of British Columbia
Vancouver, B.C., Canada

*Durant, Thomas S.
Assistant Director of the MGH
Assistant Gynecologist
M.G.H.

Duritz, Gilbert, *Children's* '70
2356 Bywood Drive
Oakland, Calif. 94602

Durno, Edwin R., *Surgery* '29
2512 E. Main St.
Medford, Oreg. 97501

D'urso, John J., *Dermatology* '44
9765 45 St., N.
Pinellas Park, Fla. 33565

*Dvorak, Ann M.
Associate Pathologist
M.G.H.

*Dvorak, Harold F.
Associate Pathologist
M.G.H.

Dwight, Richard W., *Surgery* '31
2 Cedar Road
Chestnut Hill, Mass. 02167

*Dworin, Aaron M.
1st Year Resident in Dermatology
M.G.H.

Dwyer, John H., *Children's* '56
5025 Castleman St., Pittsburgh, Pa. 15232

*Dwyer, Thomas F.
Psychiatrist
M.G.H.

*Dyer, Edward C.
Associate Pediatrician
B.H.H.C.

*Dzau, Victor J.
Research Fellow in Medicine
M.G.H.

Earls, Felton J. III, *Psychiatry* '73
Department of Psychiatry
C.H.M.C.

*Easter, Joyce A.
Clinical Associate in Psychiatry
North End Health Center
332 Hanover Street
Boston, Mass. 02113

*Eastham, Edmund J.
Clinical & Research Fellow in Pediatrics
M.G.H.

Eaton, Richard G., *Orthopaedics* '61
Roosevelt Hospital
428 West 59th St.
New York, N.Y. 10019

Eaton, S. Boyd, *Radiology* '69
4271 N. Elizabeth Lane
Smyrna, Ga. 30080

*Ebeid, Amin M.
Clinical Assistant in Surgery
M.G.H.

Eckhardt, Lloyd O., *Psychiatry* '70
Colorado Medical Center
Dept. of Child Psychiatry
Denver, Colo. 80220

Edelman, Gerald M., *Medicine* '55
Rockefeller Institute for Medical Research
66th and York Ave., New York, N.Y. 10021

Edelson, Richard L., *Dermatology* '72
College of Physicians & Surgeons
Columbia University, School of Medicine
630 W. 168th St.
New York, N.Y. 10032

Edelstein, Leon M., *Dermatology* '62
Department of Biochemistry
Brandeis University
Waltham, Mass. 02154

*Edmondson, Richard H.
2nd Year Resident in Anesthesia
M.G.H.

Edsall, Geoffrey, *Medicine* '36
5 Ellerdale Road
Hampstead, N.W. 3, London, England

Egloff, Frank R.L., *Psychiatry* '51
89 Gardiner Rd., Box 46
Woods Hole, Mass. 02543

*Egloff, Sieglinde
Clinical & Research Fellow in Neurology
M.G.H.

Ehrenkranz, N. Joel, *Medicine* '54
Cedars of Lebanon Hospital
P.O. Box 520793
Miami, Fla. 33152

*Ehrlich, H. Paul
Assistant Biochemist (Pathology)
M.G.H.

*Ehrlich, Paul H.
Research Fellow in Medicine
M.G.H.

*Ehrlich, Michael G.
Assistant Orthopaedic Surgeon
M.G.H.

Eiseman, Ben, *Surgery* '43
University of Colorado School of Medicine
Denver, Colo. 80220

*Eisenberg, Carola B.
Consultant in Psychiatry
Student Health Center
M.I.T.

*Eisenberg, Leon
Honorary Psychiatrist
C.H.M.C.

Eisenstadt, Michael L., *Children's* '75
New York Hospital
68th Street and York Avenue
New York, N.Y. 10021

*Eisenthal, Sherman
Associate Psychologist
M.G.H.

Eldredge, James H., *Orthopaedics* '60
35 Cedar Street, P.O. Box 1328
Hyannis, Mass. 02601

*Eldredge, LeRoy L., Jr., *Children's* '51
Associate Pediatrician
13 Leavitt Street,
Hingham, Mass. 02043

Eliel, Leonard P., *Medicine* '42
Veterans Administration Hospital
American Lake
Tacoma, Wash. 98493

*Eliot, Gail R.
Clinical Associate in Radiology
M.G.H.

Eliscu, Edward H., *Radiology* '69
Orlando Naval Hospital
Department of Radiology
Orlando, Fla. 32813

Ellery, Sidney W., *Surgery* '43
1090 Atlantic Ave.
Long Beach, Calif. 90813

Elliot, Joseph A., Jr., *Medicine* '45
1012 Kings Dr., Carlotte, N.C. 28207

*Ellis, Daniel S., *Medicine* '41
Physician
M.G.H.

Ellis, Effie O., *Children's* '52
169 Clarendon Ave.,
Columbus, Ohio 43223

*Ellis, Guy T., III
Clinical Fellow in Radiology
M.G.H.

Ellis, Lawrence B., *Medicine* 28
319 Longwood Ave.,
Boston, Mass. 02115

*Ellis, Ronald D.
2nd Year Resident in Orthopaedic Surgery
M.G.H.

*Ellman, Leonard L., *Medicine* '69
Associate Physician
Assistant Director, Clinical Laboratories
M.G.H.

*Elmaleh, David R.
Assistant in Physics (Radiology)
M.G.H.

*Elman, Arthur J.
3rd Year Resident in Radiation Medicine
M.G.H.

Emans, John B. II
Box 127
Barnard, Vt. 05031

Embree, Larry J., *Neurology* '62
Pathology '63
Neurology Section
Louisiana State University
Medical Center
Shreveport, La. 71130

*Emerson, Clifton W.
Assistant in Anesthesia
M.G.H.

*Emerson, George F., *Surgery* '42
Clinical Associate, Surgery
62 Columbian St.
South Weymouth, Mass. 02190

Empson, Dora R., *Children's* '64, *Anesthesia* '67
Old Marion Rd.,
Mattapoisett, Mass. 02739

*Engel, Lewis L.
Consultant in Medicine
H.M.S.

*England, Albert C., Jr.
Assistant in Neurology
M.G.H.

*Epp, Edward R.
Radiation Biophysicist (Radiation Medicine)
M.G.H.

Eppright, Richard H., *Orthopaedics* '55
1200 Moorsund Ave.
Houston, Tex. 77025

*Epstein, Michael F., *Children's* '76
Clinical Associate in Pediatrics
BHW

*Erbe, Richard W.
Associate Pediatrician
Assistant Physician
M.G.H.

*Erdmann, A. John III
Assistant Surgeon
M.G.H.

*Erman, Milton K.
2nd Year Resident in Psychiatry
M.G.H.

Eron, Lawrence J., *Medicine* '75
FDA, Bureau of Biologics
Building 29A, Room 2D-24
8800 Rockville Pike
Bethesda, M.D. 20014

*Escourrou, Jean C.
Research Fellow in Surgery
M.G.H.

*Escourrou, Marie-Therese
Clinical & Research Fellow in Medicine
M.G.H.

Esmaili, Mohammad H., *Anesthesia* '68
Saadi Hospital, Pahlavi University
Shiraz, Iran

*Esmiol, Pattison
Associate Psychiatrist
Charles River Counseling Center
154 Wells Avenue
Newton, Mass. 02159

*Essember, Lawrence J., *Children's* '53
Associate Pediatrician
Danvers Medical Building
Danvers, Mass. 01923

Esslinger, John O., *Orthopaedics* '52
1100 Sixth Street
Traverse City, Mich. 49684

Estes, Joseph W., *Pathology* '65
B.U.H.

Evans, Richard R., *Pathology* '44
Cleveland Clinic
2020 East 93rd St.
Cleveland, Ohio 44106

*Evans, Robert E., *Oral Surgery* '66
Assistant Oral Surgeon
110 Francis St., Boston, Mass. 02215

Evans, Sheridan S., *Surgery* '50
620 S. 12th St.
McAllen, Tex. 78501

Everett, Henry C. III, *Psychiatry* '58
345 Harvard St.
Cambridge, Mass. 02138

Ewell, John W., *Medicine* '37
Director, Premedical Office
Yale College, 110 Sheffield Hall
1604A Yale Station
New Haven, Conn. 06520

Eyler, William R., *Children's* '48, *Radiology* '49
Henry Ford Hospital
Detroit, Mich. 48202

Eyre, David R., *Orthopedic Surgery* '71
C.H.M.C.

*Ezpeleta, Mariano L., Jr.
Clinical Fellow in Radiology
M.G.H.

Fagenholz, Linda S.L., *Children's* '75
Nuffield Institute for Medical Research
Headley Way, Headington
Oxford OX3 905 England

Fagenholz, S. Allen, *Children's* '73
Assistant Professor of Pediatrics
Yale University School of Medicine
333 Cedar Street
New Haven, Conn. 06520

Fahey, Stephen R., *Children's* '76
10 Ware Road
Winchester, Mass. 01890

*Fahmy, Nabil R.
Assistant Anesthetist
M.G.H.

Fairlie, Chester W., Jr., *Medicine* '47
85 Jefferson St., Hartford, Conn. 06103

*Faix, James D.
2nd Year Resident in Pathology
M.G.H.

*Falk, William E.
3rd Year Resident in Psychiatry
M.G.H.

*Fallon, John T.
Clinical & Research Fellow in Pathology
M.G.H.

Falltrick, Robert T., *Anesthesia* '76
University of California School of Medicine
San Francisco, Calif. 94116

*Fang, Leslie S.
Clinical & Research Fellow in Medicine
M.G.H.

*Bashir-Farahmand, Jaleh
Clinical Assistant in Gynecology
M.G.H.

*Farhadi, Amir M.
Clinical Associate in Psychiatry
M.G.H.

*Farhadi, Marie S.
Clinical and Research Fellow in Psychiatry
M.G.H.

Farmer, Douglas A., *Surgery* '43
Hospital of St. Raphael, 1450 Chapel St.
New Haven, Conn. 06511

*Farnham, Jack E.
Clinical Assistant in Medicine
M.G.H.

*Farnsworth, Dana L., *Medicine* '35
Honorary Physician
52 Old Concord Road
Belmont, Mass. 02178

*Farquhar, Barbara B.
Assistant Computer Scientist
(Medicine)
M.G.H.

Fawcett, Don W., *Surgery* '43
H.M.S.

*Faxon, Henry H., *Surgery* '28
309 Warren St.,
Brookline, Mass. 02146

Fazioli, Ruth A., *Children's* '69
c/o 534 No. Stone Street
La Grange, Ill. 60525

*Fearer, Nathan H., *Children's* '58
Assistant Pediatrician
2 Orchard Lane, Danvers, Mass. 01923

Federman, Daniel D., *Medicine* '55
Chief of Medicine
Stanford University Medical Center
Stanford, Calif. 94305

Feigin, Ralph D., *Children's* '68
St. Louis Children's Hospital
500 South Kingshighway
St. Louis, Mo. 63110

Feingold, Murray, *Children's* '63
20 Ash Street,
Boston, Mass. 02111

*Feinhandler, Sherwin J.
Assistant Anthropologist (Psychiatry)
2 Calvin Rd.
Watertown, Mass. 02172

*Feldman Geraldine G.
Clinical Associate on the Children's Service
Leominster Hospital
Leominster, Mass. 01453

*Feldman, Joel J., *Surgery* '74
Clinical Associate in Surgery
Mount Auburn Hospital
Cambridge, Mass. 02138

Fell, Gary, *Surgery* '75
3 Tudor Court
North Balwyn
Victoria, 3104
Australia

*Feller, Edward R.
Clinical & Research Fellow in Medicine
M.G.H.

Ferguson, Albert B., Jr., *Orthopaedics* '50
Children's Hospital
Pittsburgh, Pa. 15213

*Ferguson, Charles M.
1st Year Resident in Surgery
M.G.H.

*Ferguson, Edward L., *Surgery* '59
Clinical Associate in Surgery
10 Hospital Drive
Holyoke, Mass. 01040

Ferguson, Ira A., Jr., *Surgery* '59
Emory University Clinic
Atlanta, Ga. 30322

Ferguson, James J., Jr., *Medicine* '55
831 Amies Lane,
Bryn Mawr, Pa. 19010

Fern, Donald J., *Psychiatry* '61
McL.

Fernandez, Raymond L., *Neurology* '76
722 West Buffalo Avenue
Tampa, Fla. 33603

Ferraro, Nalton F., *Oral Surgery* '75
1st Year Resident in Surgery
M.G.H.

*Ferrell, Robert W., Jr.
Assistant in Psychiatry
M.G.H.

*Ferris, Benjamin G.
Consultant in Medicine
665 Huntington Avenue
Boston, Mass. 02115

*Ferrucci, Joseph T., *Radiology* '67
Radiologist
M.G.H.

*Fiascone, Arnold D.
Assistant Pediatrician
1 Salem Street,
Wakefield, Mass. 01880

Field, James B., *Medicine* '64
University of Pittsburg School of
Medicine, Pittsburg, Pa. 15261

*Field, Mark G.
Assistant Sociologist, Psychiatry
96 Cummington Street
Boston, Mass. 02215

Field, Paul, *Surgery* '62
255 Larch Street
Sudbury, Ontario, Canada P3B 1M2

*Field, Richard A., *Medicine* '55
Clinical Associate in Medicine
M.E.E.I.

*Fienberg, Robert
Clinical Associate in Pathology
21 Woodside Rd., Box 174
Topsfield, Mass. 01983

Figman, Robert J., *Surgery* '69
51 Brattle Street
Cambridge, Mass. 02138

Fine, Jacob, *Surgery* '27
B.I.H.

Fink, David, J., *Medicine* '76
3019 Dent Place, N.W.
Washington, D.C. 20007

*Finkelstein, Stan N.
Clinical Fellow in Medicine
M.G.H.

*Finkelstein, Warren
Clinical & Research Fellow in Medicine
M.G.H.

Finkenstaedt, John T., *Medicine* '49
Cornell University Medical College
New York, N.Y. 10021

Finlayson, Norris B., *Pathology* '60
El Camino Hospital
Mountain View, Calif. 94040

Finley, Knox H., *Medicine* '34, *Neurology* '36
The Presbyterian Medical Center
Clay & Webster Streets
San Francisco, Calif. 94115

Finseth, Frederick J., *Surgery* '72
Yale University School of Medicine
New Haven, Conn. 06510

Firminger, Harlan I., *Pathology* '47
University of Maryland School of Medicine
Baltimore, Md. 21201

First, Robert A., *Orthpaedics* '64
Hillside Medical Park
Baker Ave., West Concord, Mass. 01781

*Fischberg, Bruce W.
Associate Psychiatrist
18 Moore Street
Belmont, Mass. 02178

Fischer, Beverly Ruth, *Children's* '71
1414 Bay Boulevard
Atlantic Beach, N.Y. 11509

*Fischer, Edwin G., *Neurosurgery* '70
Assistant in Neurophysiology in Neurosurgery
C.H.M.C.

Fischer, John R., *Radiology* '71
Washoe Medical Center
Reno, Nev. 89502

*Fischer, Josef E., *Surgery* '69
Associate Visiting Surgeon
M.G.H.

Fischer, Keith C., *Radiology* '75
P.B.B.H.

*Fischetti, Michael R.
Clinical Fellow in Medicine
M.G.H.

Fish, James E., *Surgery* '32
1442 S.E. 7th Court
Deerfield Beach, Fla. 33441

*Fischer, C. Miller
Neurologist; Associate
Neuropathologist, Pathology
M.G.H.

Fisher, Mary S., *Medicine* '49
Philadelphia General Hospital
Philadelphia, Pa. 19104

Fisher, Michael, *Dermatology* '67
Albert Einstein Medical Center
Bronx, N.Y. 10461

Fisher, Morris A., *Neurology* '70
Rush Presbyterian Hospital
Department of Neurology
Chicago, Ill. 60607

Fisher, Richard I., *Medicine* '72
National Cancer Institute
Building 10, Room 12N226
Bethesda, Md. 20014

*Fishman, Mark C.
2nd Year Resident in Medicine
M.G.H.

Fishman, Robert A., *Neurology* '50
University of California Medical Center
San Francisco, Calif. 94122

*Fisk, Samuel H.
Clinical Fellow in Psychology (Psychiatry)
M.G.H.

Fite, E. Halsell, *Surgery* '26
201 South 36th Street
Muskogee, Okla. 74401

*FitzHugh, Greene
Honorary Physician
6 Winslow Homer Road
Prouts Neck
Scarborough, Me. 04074

*Fitzpatrick, Thomas B.
Chief of Dermatology Service
M.G.H.

*Fiumara, Nicholas J.
Clinical Associate, Dermatology
Department of Public Health
600 Washington Street, Boston, Mass. 02111

Flacke, Joan W., *Anesthesia* '64
c/o Dr. Werner Flacke
Univ. of Arkansas Medical Center
Little Rock, Ark. 72200

Flagg, James A., *Anesthesia* '55
Bridgeport Hospital
Bridgeport, Conn. 06610

Flanagan, Norris B., *Psychiatry* '40
203 Grove Street
Wellesley, Mass. 02181

Flaxman, B. Allen, *Dermatology* '65
189 Governor Street
Providence, R.I. 02906

*Fleming, T. Corwin, *Neurology* '61
Assistant in Neurology
208 Beacon Street
Boston, Mass. 02116

Flint, Gregory L., *Dermatology* '76
999 N. Curtis
Suite 416
Boise, ID 83704

Florence, David W., *Orthopaedics* '60
205 S. Rhode Island Street
Minneapolis, Minn. 55426

Floyd, William N., *Radiology* '75
5050 Woodway 2E
Houston, Tex. 77056

Flynn, Chester J., *Anesthesia* '66
Baylor Medical College
Department of Physiology
Houston, Tex. 77025

*Flynn, Michael A.
Clinical Fellow in Anesthesia
M.G.H.

*Flynn, Robert E.
Assistant Neurologist
736 Cambridge Street
Brighton, Mass. 02135

Fogelson, Frederick S., *Orthopaedic Surgery* '76
Ft. Eustis
Virginia 23604

Foldes, Francis F., *Anesthesia* '43
Montefiore Hospital
Bronx, N.Y. 10467

Foley, F. Daniel, *Pathology* '64
434 Spaceway Drive
San Antonio, Tex. 78239

Folkman, M. Judah, *Surgery* '65
C.H.M.C.

Folson, Hugh F., *Medicine* '31
West Townshend, Vt. 05353

*Foote, Warren E.
Associate Psychologist (Psychiatry)
M.G.H.

*Forbes, Anne P.
Physician
M.G.H.

Forbes, Cecile Politis, *Children's* '56
Dodge Road, Woodstock, Conn. 06281

Ford, Amasa B., *Medicine* '52
University Hospitals
Cleveland, Ohio 44106

*Ford, Henry C.
Clinical Fellow in Medicine
M.G.H.

Forget, Bernard G., *Medicine* '65
Pathology '68
95 Warren St.,
Needham, Mass. 02192

Fornshell, Robert P., *Orthopaedics* '58
85 Osborne Street
Danbury, Conn. 06810

Forrester, Deborah M., *Radiology* '68
University of Southern California
Los Angeles, Calif. 90007

Fosburg, Martin T., *Children's* 74
123 Elm Street
Somerville, Mass. 02143

*Foster, Gerald S., *Medicine* '53
Physician
M.G.H.

Fowler, Charles B., *Orthopaedics* '29
228 32nd Avenue
San Francisco, Calif. 94121

Fowler, Dwight M., *Surgery* '46
Cove St.,
Duxbury, Mass. 02332

*Fowler, Joseph W. III
Clinical Associate on the Children's Service
101 Amesbury Street
Lawrence, Mass. 01840

Fox, Brendan M., *Urology* '63
20 Ashley St., Hartford, Conn. 06105

*Fox, Jonathan L.
1st Year Resident in Orthopaedic Surgery
M.G.H.

Fox, Lowell E., *Anesthesia* '75
Princess Louise Hospital
St. Quintin Ave.
London, England

*Fox, Sherman S.
2nd Year Resident in Psychiatry
M.G.H.

*Fozard, James L.
Assistant Psychologist, Psychiatry
Veterans Administration Clinic
17 Court St., Boston, Mass. 02108

Fraley, Elwin E., *Urology* '66
412 Union Street S.E.
Minneapolis, Minn. 55455

Frame, Boy, *Medicine* '55
Henry Ford Hospital
Detroit, Mich. 48202

Francis, Charles K.A., *Medicine* '73
Martin Luther King Med. Center
1620 East 119 Street
Los Angeles, Calif. 90059

*Francis, Martin J.O.
Visiting Fellow in Medicine
M.G.H.

*Frank, Arlene F.
Research Fellow in Psychology (Psychiatry)
M.G.H.

*Frank, Thomas, *Children's* '53
Clinical Associate in Pediatrics
284 Harvard Street,
Cambridge, Mass. 02139

*Frankel, Freddy H.
Consultant in Psychiatry
B.I.H.

Franklin, John Edward, Jr., *Medicine* '71
New York Hospital
Cornell Medical College
New York, N.Y. 10021

*Franklin, William
Associate Physician
One Hawthorne Place
Boston, Mass. 02114

Franseen, Clifford C., *Surgery* 32
110 Francis St., Boston, Mass. 02215

Franseen, Elmer F., *Orthopaedics* '47
780 Chestnut St., Springfield, Mass. 01107

Franz, Elmer M., *Orthopaedics* '48
1750 Race St., Denver Colo. 80206

*Fraser, Helen R.
1st Year Resident (Intern) in Pathology
M.G.H.

Frazier, Howard S., *Medicine* '55
B.I.H.

Frederick, Elizabeth Schell, *Medicine* '66
5 Ave. des Courses
Burssels 5, Belgium

*Freedburg, Irwin M., *Dermatology* '60
Consultant in Dermatology
B.I.H.

Freedman, Harold J., *Children's* '28
Health Department, Wentworth Inst.
550 Huntington Avenue
Boston, Mass. 02115

Freeman, Don W., *Children's* '35
100 Memorial Drive
Denison, Tex. 75020

Freeman, Norman E., *Surgery* '35
Box 62, Ensenada, Mexico 00100

*Frega, Norberto S.
Clinical Assistant in Medicine
M.G.H.

Freinkel, Ruth K., *Dermatology* '57
Northwestern University, School of Medicine
Chicago, Ill. 60611

*Freemont-Smith, Maurice
Honorary Physician
50 Commonwealth Avenue,
Boston, Mass. 02116

*Freund, Herbert R.
Clinical and Research Fellow in Surgery
M.G.H.

Freymann, John G., *Medicine* '51
National Fund for Medical Education
999 Asylum Ave.
Hartford, Conn. 06105

Frieberg, Joseph A., *Orthopaedics* '26
7154 Knoll Road
Cincinnati, Ohio 42537

*Friedberg, Carl E.
Assistant Radiation Biophysicist
(Radiation Medicine)
M.G.H.

Friedlaender, Robert P., *Pathology* '74
M.E.E.I.

*Friedlich, Allan L., *Medicine* '48
Physician
Zero Emerson Place, Boston, Mass. 02114

Friedman, Clarence F., *Children's* '23
400 Rugby Road, Brooklyn, N.Y. 11226

*Friedman, Joel
Assistant in Psychology (Psychiatry)
N. Suffolk Mental Health Center
14 Porter St., E. Boston, Mass. 02116

Friedman, Leonard J., *Medicine* '56
23 Dewey Road
Lexington, Mass. 02173

Friedman, Mathew Joel, *Psychiatry* '71
Dartmouth Medical School
Hanover, N.H. 03755

*Friedman, Rochelle R.
Clinical Associate in Psychiatry
M.G.H.

*Friedman, Ronald D.
3rd Year Resident in Anesthesia
M.G.H.

Friedman, Stanford B., *Children's* '60
Dept. of Psychiatry
University Maryland School of Medicine
Baltimore, Md. 21201

Fritz, Ronald E., *Anesthesia* '74
Maine Medical Center
Portland, Maine 04102

Frizt, William F., *Medicine* '51
2 West University Parkway
Baltimore, Md. 21218

Froese, Alison B.D., *Anesthesia* '72
265 Lawrence Avenue East
Toronto, Ontario, Canada M4N 1T6

*Fromer, John L.
Clinical Associate, Dermatology
605 Commonwealth Avenue
Boston, Mass. 02215

Frost, Harold M., *Surgery* '15
Friendship, Maine 04547

Frost, Robert G., *Anesthesia* '61
4th and Randall Way, Box 1253
Carmel, Calif. 93921

Fuchs, Pablo, *Surgery* '42
3a Ave., 7-34
Guatemala City, Guatemala

Fuldner, Russell V., *Orthopaedics* '39
178 Sherman Ave.,
New Haven, Conn. 06511

Fuleihan, Samir F., *Anesthesia* '74
N.E.M.C.H.

Fuller, Arlan F., *Surgery* '74
B.H.W.

Fuller, Henry, *Medicine* '29
210 Hibriten Way, Lakeland, Fla. 33802

*Fuller, Thomas C.
Assistant in Immunology (Surgery)
M.G.H.

*Funkenstein, H. Harris, *Neurology* '72
Assistant Neurologist
M.G.H.

Funsch, Robert E., *Orthopaedics* '51
6744 Clayton Rd.,
St. Louis, Mo. 63117

Fuson, W. Arthur, *Radiology* '27
520 Pleasant View,
Trenton, Mo. 64683

Gabriel, Don A., *Medicine* '74
University of North Carolina School
of Medicine
Chapel Hill, N.C. 27514

Gabuzda, Thomas G., *Medicine* '57
Jefferson Medical College
Philadelphia, Pa. 19107

Gada, Preston H., *Surgery* '68
1300 St. Mary's Street,
Raleigh, N.C. 27605

Galbraith, Nicoll F., Jr., *Surgery* '64
808 13th Ave.,
Modesto, Calif. 95354

*Galdabini, James J., *Pathology* '69
Associate Pathologist
M.G.H.

*Gale, Arnold D.
2nd Year Resident on the Children's Service
M.G.H.

Gall, Edward A., *Pathology* '37
University of Cincinnati
College of Medicine
Cincinnati, Ohio 45267

Gallagher, Michael J., *Pathology* '76
N.E.D.H.

*Gallagher, William F., Jr., *Dermatology* '67
Assistant in Dermatology
36 Adams Street,
Quincy, Mass. 02196

Gallagher, Janina R., *Psychiatry* '75
19 Royal Road
Brookline, Mass. 02146

*Galli, Stephen J.
4th Year Resident in Pathology
M.G.H.

Gallia, Francis J., *Radiology* '68
Harrisburg Hospital
Harrisburg, Pa. 17101

*Gallico, G. Gregory III, *Surgery* '75
Research Fellow in Surgery
c/o Prof. J.L. Gowans
Sir William Dunn School of Pathology
Oxford University
South Parks Road
Oxford, England

Gambill, John D., *Psychiatry* '72
B.U.H.

*Gammon, Maureen T.
Assistant in Biology (Medicine)
M.G.H.

*Ganczewski, Ann C.
2nd Year Resident in Psychiatry
L.M.H.C.

*Gang, David L.
Assistant in Pathology
M.G.H.

*Ganz, Peter
2nd Year Resident in Medicine
M.G.H.

*Ganz, Robert N., *Children's* '25
Senior Pediatrician
M.G.H.

*Garan, Hasan
Clinical and Research Fellow in Medicine
M.G.H.

*Gardella, Joseph W., *Medicine* '46
Assistant Physician
M.G.H.

Gardiner, William J., *Medicine* '29
200 Glenayr Road
Toronto, Canada

Gardner, David G.
Minerals Section
NIAMDO, National Institute of Health
Bethesda, M.D. 20014

Gardner, George E., *Children's* '39
Psychiatry (McL) '40
Judge Baker Guidance Center
295 Longwood Avenue
Boston, Mass. 02115

Gardner, Lytt I., *Children's* '47
Upstate Medical Center Hospitals
Syracuse, N.Y. 13210

*Gardner, Phyllis I.
2nd Year Resident in Medicine
M.G.H.

*Garg, Hari G.
Assistant Biochemist in Medicine
M.G.H.

*Garland, Rebecca C.
Assistant in Biochemistry (Medicine)
M.G.H.

*Garran, Frank W., Jr., *Surgery* '55
Clinical Associate, Surgery
105 Park Street
Hyannis, Mass. 02601

Garrett, John C., *Surgery* '70, *Orthopaedics* '76
19 River Glen
Wellesley, Mass. 02181

Garrett, John W.D., *Anesthesia* '41
147 Captain Barn Road
So. Yarmouth, Mass. 02664

*Garrett, Patricia E.
Research Fellow in Medicine
M.G.H.

Garrey, Walter E., *Surgery* '36
39 Orchard Avenue
Waban, Mass. 02168

Garrison, Penelope K., *Children's* '71
2455 Marshall N.W.
Portland, Oregon 97210

Garrity, Richard W., *Neurosurgery* '50
838 Vista Arroyo
La Mesa, Calif. 92041

*Gates, Philip H.
Assistant Psychiatrist
M.G.H.

Gauld A. Gordon, *Surgery* '34
101 River Road
Weston, Mass. 02193

Gaunt, Frank P., *Surgery* '13
203 W. Cedar Avenue
St. Louis, Mo. 63119

Gauthier, Jacqueline, *Psychiatry* '57
2 Popular Street
Ipswich, Mass. 01938

Gay, Leslie N., *Medicine* '18
1114 St. Paul Street
Baltimore, Md. 21202

*Gayes, James M.
2nd Year Resident in Anesthesia
M.G.H.

*Geffin, Bennie
Clinical Associate in Anesthesia
M.G.H.

*Geffin, Gillian A.
Research Fellow in Surgery
M.G.H.

Geha, Dwight G., *Anesthesia* '73
University of Arizona College of Medicine
Tucson, Arizona 85724

Geiger, Ronald H., *Orthopaedics* '71
300 Mt. Auburn St.
Cambridge, Mass. 02138

Gelb, Lawrence D., *Medicine* '69
Barns and Wohl Hospital
4550 Scott Avenue
St. Louis, Mo. 63110

*Gelenberg, Alan J., *Psychiatry* '73
Assistant in Psychiatry
M.G.H.

Geller, Eran, *Anesthesia* '71
c/o Pohoryles, 126 Ben-Jehuda St.
Tel-Aviv, Israel

Geller, Richard J., *Pathology* '76
Sheppard Air Force Base
c/o Hospital
Wichita Falls, Tex. 76311

*Gellis, Stephen E.
Clinical Fellow (Acting 1st Year Resident) in Dermatology
M.G.H.

*Gelman, Martin L.
Clinical Associate in Medicine
M.G.H.

Gentry, Robert W., *Surgery* '43
65 N. Madison Avenue
Pasadena, Calif. 91101

Gentzler, Richard D. II, *Medicine* '71
Milton Hershey Medical Center
Hershey, Pa. 17033

*George, Anthony
2nd Year Resident in Anesthesia
M.G.H.

George H. Louis, Jr., *Children's* '30
320 Holcomb Street
Watertown, N.Y. 13601

George, Jack M., *Medicine* '65
Ohio State University School of Medicine
Columbus, Ohio 43210

*Gerber, Bernard M.
3rd Year Resident in Psychiatry
M.G.H.

*Gergely, John
Biochemist, Neurology
R.F.

*Gerweck, Leo E.
Research Fellow in Radiation Medicine
M.G.H.

Gevalt, Frederick C., Jr., *Medicine* '43
Sharon Clinic
Sharon, Conn. 06069

*Gibbons, Raymond J.
2nd Year Resident in Medicine
M.G.H.

Gibbs, Richard F., *Anesthesia* '62
B.H.W.

Gibson, James M., *Pathology* '65
Worcester Memorial Hospital
Worcester, Ma. 01605

Gibson, John G., *Psychiatry* '51
Department of Mental Health
Queen's University of Belfast
Belfast, Northern Ireland

Gibson, Robert C., *Medicine* '71
C.H.M.C.

Giddings, W. Phillip, *Surgery* '46
RD 1; Pippin Knoll
Bennington, Vt. 05201

Gieske, Judith P., *Children's* '67
Presqu'ile
R.F.D. #1
Easton, Md. 21601

Gilbert, Allen C., *Urology* '23
1204 Aubin Road
Walla Walla, Wash. 99362

*Gilbert, Jeffrey M., *Psychiatry* '71
Assistant in Psychiatry
M.G.H.

*Gilbert, John P.
Assistant in Biostatistics (Anesthesia)
Harvard Computing Center
1730 Cambridge Street
Cambridge, Mass. 02138

Gilbert, Stuart G., *Radiation Medicine* '75
Dept. of Radiotherapy
Maine Medical Center, Portland, Me. 04102

*Gilchrest, Barbara A.
Clinical Fellow in Dermatology
M.G.H.

*Gill, Benjamin F.
Associate Psychiatrist
168 Homer Street
Newton Centre, Mass. 02159

Gillies, Alastair J., *Anesthesia* '52
Strong Memorial Hospital
Rochester, N.Y. 14620

Gilmore, Edward B., *Medicine* '70
Medical Associates
Bar Harbor, Maine 04609

Gimbrone, Michael A., Jr., *Surgery* '71
National Institute of Health
Bethesda, Md. 20014

Ginandes, Shepard C., *Children's* '52
Fairhaven Hill
Concord, Mass. 01742

*Ginns, Leo C.
Clinical and Research Fellow in Medicine
M.G.H.

Ginsberg, Myron D., *Neurology* '70
121 Overbrook Parkway
Overbrook Hills, Pa. 19151

*Gissen, Aaron J.
Anesthetist
M.G.H.

Gittes, Ruben F., *Surgery* '62, *Urology* '67
P.B.B.H.

Glass, D. David, *Anesthesia* '72
University of Mississippi Medical Center
Jackson, Mississippi 39216

Glendy, Margaret Moriarty, *Children's* '34
3806 Heatherton Road, S.W.
Roanoke, Va. 24014

Glendy, R. Earle, *Medicine* '34
3806 Heatherton Road, S.W.
Roanoke, Va. 24014

Glenn, William L., *Surgery* '46
Yale University School of Medicine
New Haven, Conn. 06510

Glenn, William V., Jr., *Radiology* '76
Memorial Hospital of Long Beach
2801 Atlantic Avenue
Long Beach, Calif. 90801

Glick, Hyman, *Orthopaedic Surgery* '71
B.I.H.

Glick, John L., *Medicine* '70
9 Belmont Avenue
Brattleboro, Vermont 05302

*Glick, Thomas H., *Nuerology* 71
Assistant Neurologist
M.G.H.

*Glicklich, Earl A.
Honorary Dermatologist
403 Commonwealth Avenue
Boston, Mass. 02215

*Glimcher, Laurie H.
2nd Year Resident in Medicine
M.G.H.

*Glimcher, Melvin J., *Surgery* '53
Orthopaedics '56
Honorary Orthopaedic Surgeon
C.H.M.C.

*Glines, George A.
Assistant in Pediatrics
8 Porter Street, Melrose, Mass. 02176

Glotzer, Donald J., *Pathology* '59, *Surgery* '60
B.I.H.

Glover, Donald M., *Surgery* '22
2181 Ambleside Road, Apt. 712
Cleveland, Ohio 44106

Glueck, Charles J., *Medicine* '66
Gen. Clinical Research Unit
Cincinnati General Hospital
Cincinnati, Ohio 45229

Glueck, Michael A., *Radiology* 71
Chief, Department of Radiology
Costa Mesa Memorial Hospital
301 Victoria St.
Costa Mesa, Calif. 92627

*Godine, John E.
2nd Year Resident in Medicine
M.G.H.

Godleski, John J., *Pathology* '70
Medical College of Pennsylvania
Philadelphia, Pa. 19139

*Godley, Anne F., *Medicine* '50
Assistant Physician
B.H.H.C.

Goeringer, C. Frederick, *Orthopaedics* '40
623 North Broad Street
Lansdale, Pa. 19446

Goettsch, Elvira, *Children's* '31
183 Third Avenue
Chula Vista, Calif. 92010

Goetz, Frederick C., *Medicine* '54
University of Minnesota Hospitals
Minneapolis, Minn. 55455

*Goings, Stella A.
2nd Year Resident in Medicine
M.G.H.

*Goitein, Michael
Associate Radiation Biophysicist in
Radiation Medicine
M.G.H.

Gold, Gerald N., *Surgery* '64
Neurosurgery '70
717 Encino Place
Alburquerque, New Mexico 87106

*Gold, Herman K.
Assistant Physician
M.G.H.

Goldberg, Alan H., *Anesthesia* '60
B.C.H.

Goldberg, Leon I., *Medicine* '58
Committee on Clinical Pharmacology
University of Chicago, Pritzker
School of Medicine
Chicago, Ill. 60637

*Goldblatt, Allan
Assistant Physician; Pediatrician
M.G.H.

Goldblatt, Myron E., *Medicine* '26
784 Park St., New York, N.Y. 10021

Golden, Ross, *Radiology* '21
585 B. Avendia Majorca
Laguna Hills, Calif. 92653

*Golden, Theodore S.
Clinical Associate on the Children's Service
250 Franklin Street
Framingham, Mass. 01701

*Goldfein, Michael L., *Children's* '68
Assistant in Pediatrics
M.G.H.

*Goldfinger, Stephen E., *Medicine* '67
Associate Physician
M.G.H.

*Goldman, Eli
Clinical and Research Fellow in
Psychology (Psychiatry)
M.G.H.

Goldman, Lee, *Medicine* '76
Yale University School of Medicine
333 Cedar Street
New Haven, Conn. 06520

Goldman, Mark R., *Medicine* '73
Major, U.S. Army
97th General Hospital
Frankfurt, Germany
APO New York, N.Y. 09757

*Goldman, Maury A.
Clinical Assistant in Medicine
20 West Emerson St.
Melrose, Mass. 02176

Goldman, Donald A., *Medicine* '74
C.H.M.C.

*Goldring, Steven R.
Clinical and Research Fellow in Medicine
M.G.H.

*Goldstein, Gary S.
Clinical Assistant in Oral Surgery
BHHC

Goldstein, Joseph L., *Medicine* '68
University of Texas Southwestern
Medical School
5323 Harry Hines Blvd.
Dallas, Texas 75235

*Goldstein, Mark A.
3rd Year Resident on the Children's Service
M.G.H.

*Goldstein, Richard L., *Medicine* '75
Clinical Fellow in Medicine
M.G.H.

*Goldstein, Robert J.
Clinical and Research Fellow in Medicine
M.G.H.

Goldthwait, Joel C., *Pathology* '48
1180 Beacon Street
Brookline, Mass. 02146

*Gonzalez, Ernesto, *Dermatology* '72
Clinical Fellow in Dermatology
M.G.H.

*Gonzalez, Jose R.
5th Year Resident in Surgery
M.G.H.

*Gonzalez, Ricardo V.
Clinical Fellow in Radiology
M.G.H.

Goodale, Fairfield, Jr., *Pathology* '54
Medical College of Georgia
Augusta, Ga. 30902

Goodgame, John T., *Surgery* '75
National Institute of Health
Bethesda, Md. 20014

*Goodman, Max L.
Associate Pathologist
M.E.E.I.

*Goodson, John D.
3rd Year Resident in Medicine
M.G.H.

Goodson, William H., Jr., *Psychiatry* (McL) '63
660 Gallatin St., S.W.
Huntsville, Ala. 35801

Gordon, Arnold M., *Children's* '29
4406 Greenwood Drive
Des Moines, Iowa 50312

*Gordon, Christopher D.
1st Year Resident in Psychiatry
M.G.H.

Gordon, Edgar S., *Pathology* '35
University Hospitals
Madison, Wis. 53706

*Gordon, John E.
Consultant in Preventive Medicine
M.I.T.
Clinical Research Dept.

*Gordon, Peter H.
1st Year Resident in Radiology
M.G.H.

*Gordon, Robert D.
4th Year Resident in Surgery
M.G.H.

Gore, Charles P., *Psychiatry* '52
Dunollie Station Road
Menston, England

*Goresky, Gerald V.
4th Year Resident in Anesthesia
M.G.H.

Gorman, Mary L. Gannon
Neuropathology '47
159 Main Street,
Kingston, N.Y. 12402

Gorman, Rosemary V., *Medicine* '45
626 Westminster Ave.
Elizabeth, N.J. 07208

*Goroll, Allan H., *Medicine* '76
Assistant in Medicine
M.G.H.

Gorski, Peter A., *Children's* '76
C.H.M.C.

Gottlieb, Sheldon K., *Dermatology* '71
N.E.M.C.H.

Gotto, Antonio, Jr., *Medicine* '67
Methodist Hospital
Baylor College of Medicine
6516 Bertner Boulevard
Houston, Texas 77025

Gottschalk, Carl W., *Medicine* '52
University of North Carolina
School of Medicine
Chapel Hill, N.C. 27514

*Gottstein, Esther R.
Visiting Fellow in Psychology (Psychiatry)
L.M.H.C.

*Goudsouzian, Nishan G., *Anesthesia* '67
Assistant Anesthetist
M.G.H.

Goulian, Mehran, *Medicine* '61
Department of Medicine
University of Chicago
Chicago, Ill. 60637

*Grabias, Stanley L., *Orthopaedic Surgery* '74
Assistant in Orthopaedic Surgery
M.G.H.

*Gracia, Robert M., *Oral Surgery* '73
Clinical Associate in Oral Surgery
81 Hawthorne
New Bedford, Mass. 02747

*Graham, John R., *Medicine* '36
Honorary Physician
Faulkner Hospital
Jamaica Plain, Mass. 02130

Grant, George J.M., *Dermatology* '32
545 School Street
Lowell, Mass. 01851

Grant, Lester H., *Medicine* '57
New York University Medical Center
New York, N.Y. 10016

Grave, Gilman D., *Medicine* '68
National Institute of Child Health
and Human Development
Bethesda, Md. 20014

*Gravlee, Glenn P.
2nd Year Resident in Anesthesia
M.G.H.

Graybiel, Ashton, *Medicine* '32
Box 4063, Warrington, Fla. 32507

*Grayson-Christi, Lenard
Graduate Student Assistant in
Psychology (Psychiatry)
M.G.H.

Graze, Peter R., *Medicine* '73
1515 Purdue Avenue, #5
West Los Angeles, Calif. 90024

*Green, Robert S.
Consultant in Telemedicine (Medicine)
46 Samuel Avenue
Brockton, Mass. 02401

*Green, Sidney
Assistant in Psychiatry
1935 Beacon St., Waban, Mass. 02168

*Green, Thomas H., Jr., *Surgery* '53
Gynecologist
8 Hawthorne Pl.
Boston, Mass. 02114

*Green, Warren F.
Clinical Fellow in Oral Surgery
B.H.H.C.

Green, William T., Jr., *Orthopaedics* '66
Children's Hospital
125 DeSoto Street
Pittsburgh, Pa. 15213

Greenberg, Jack J., *Surgery* '64
Mount Sinai Hospital
Miami Beach, Fla. 33140

Greenberg, Martin H., *Children's* '67
St. Francis Hospital
6161 South Yale Avenue
Tulsa, Oklahoma 74136

*Greenberg, Robert S.
Clinical & Research Fellow in Medicine
M.G.H.

*Greenblatt, David J.
Assistant in Medicine
M.G.H.

Greene, D. Crosby, Jr., *Children's* '40
Rosewood Hospital
Owings Mills, Md. 21117

Greene, Gerald S., *Orthopaedics* '48
85 Jefferson St., Hartford, Conn. 06103

Greene, Mark H., *Medicine* '72
Special Action Office for Drug
Abuse Prevention, Room 302D
726 Jackson Place N.W.
Washington, D.C. 20506

Greene, Martin L., *Medicine* '67
515 Minor Avenue
Seattle, Washington 98104

Greene, Nicholas M., *Anesthesia* '51
Yale New Haven Hospital
New Haven, Conn. 06504

*Greene, Reginald E., *Radiology* '68
Associate Radiologist
M.G.H.

Greene, Richard W., *Medicine* '45
600 E. Genesee St.
Syracuse, N.Y. 13202

Greene, Robert G., *Orthopaedics* '53
66 South Fullerton Avenue
Montclair, N.J. 07042

*Greenes, Robert A.
2nd Year Resident in Radiology
M.G.H.

*Greenfield, Alan J.
Assistant in Radiology
M.G.H.

Greenhill, Maurice H., *Psychiatry* '39
Director of Psychiatric Services
The Hospital of the Albert
Einstein College of Medicine
1825 Eastchester Rd., Bronx, N.Y. 10461

Greenleaf, David T., *Children's* '67
Orthopaedic Surgery '71
L.S.H.

*Greenspan, Peter T.
2nd Year Resident on
the Children's Service
M.G.H.

*Greenstein, Robert
1st Year Resident in Radiology
M.G.H.

*Greenwald, Michael A., *Dermatology* '72
Clinical Assistant in Dermatology
110 Francis Street
Boston, Mass. 02215

Greenwood, Frederick A.H. *Orthopaedics* '59
Montreal General Hospital
Montreal, Canada

*Gregg, Ward I., *Surgery* '35
Consultant in Surgery
267 Hillside St.
Milton, Mass. 02186

Gregory, Harold E., *Children's* '42
248 Court Street,
Keene, N.H. 03431

Gregory, Robert A., *Neurology* '33
Provincial Hospital
Lancaster, N.B., Canada

*Greilsheimer, Howard M.
3rd Year Resident in Psychiatry
L.M.H.C.

Greisman, John J., *Urology* '70
Etobicoke General Hospital
101 Humber College Blvd., Suite 1097

Grier, Robert S., *Medicine* '43
4925 Trinity Drive
Los Alamos, N.M. 87544

*Griesemer, Robert D.
Clinical Associate in Dermatology
The Millpond Building
10 Converse Place
Winchester, Mass. 01890

*Griffin, James D.
Clinical & Research Fellow in Medicine
M.G.H.

Griffith, John F., *Neurology* '65
Department of Pediatrics
Duke University School of Medicine
Durham, N.C. 27706

*Grillo, Hermes C., *Surgery* '55
Visiting Surgeon
S.B.I.

Griner, Paul F., *Medicine* '64
University of Rochester Medical Center
Rochester, N.Y. 14620

Griscom, N. Thorne, *Children's* '58
Radiology '63
C.H.M.C.

*Groopman, Jerome E.
2nd Year Resident in Medicine
M.G.H.

*Groshong, Regina
Research Fellow in Psychology (Psychiatry)
M.G.H.

Gross, Brian H., *Anesthesia* '68
1 Webster St.
Winchester, Mass. 01890

*Gross, Jerome
Biologist, Medicine
M.G.H.

*Gross, Peter L., *Medicine* '75
Assistant in Medicine
M.G.H.

Grossbard, Elliott B., *Medicine* '75
Columbia Presbyterian Medical Center
622 West 168th Street
New York, N.Y. 10032

*Grossman, Jerome H.
Assistant Physician
M.G.H.

*Grossman, Melvyn L.
Clinical Associate in Psychiatry
Revere Mental Health Center
Revere, Mass. 02151

Grossman, Milton S., *Children's* '59
Mt. Sinai Hospital of Greater Miami
4300 Alton Road
Miami Beach, Fla. 33140

*Grover, John W., *Surgery* '59
Associate Gynecologist
One Hawthorne Place
Boston, Mass. 02114

*Groves, James E.
Clinical Assistant in Psychiatry
M.G.H.

Groves, Laurence K., *Surgery* '47
Cleveland Clinic Foundation
2020 East 93rd Street
Cleveland, Ohio 44106

Growdon, John H., *Neurology* '74
M.I.T. Building 56-Rm. 245
Cambridge, Mass. 02139

*Gruber, Gabriel G.
Chief Resident in Dermatology
M.G.H.

*Grunfeld, Carl
2nd Year Resident in Medicine
M.G.H.

*Grunfeld, Carl
2nd Year Resident in Medicine
M.G.H.

*Guggenheim, Frederick G.
Assistant Psychiatrist
M.G.H.

Guiberteau, Milton J., *Radiology* '76
5023 Candletree Drive
Houston, Tex. 77018

Guiney, Edward J., *Surgery* '64
3 Shrewsbury Road
Dublin, Ireland

*Guiney, Timothy E.
Assistant in Medicine
M.G.H.

*Gulati, Amar N.
Clinical Fellow in Radiology
M.G.H.

Gunderson, Adolf L., *Surgery* '55
Gunderson Clinic
La Crosse, Wis. 54601

Gundersen, A. Erik, *Surgery* '62
Gundersen Clinic
La Crosse, Wis. 54601

*Gunderson, Leonard L.
Assistant Radiation Therapist
in Radiation Medicine
M.G.H.

Gunderson, Sigurd B., Jr., *Surgery* '54
Gundersen Clinic
La Crosse, Wis. 54601

Gundersen, Sven M., *Medicine* '31
Hitchcock Clinic
Hanover, N.H. 03755

Gundersen, Thorolf E., *Neurology* '41
Gundersen Clinic
La Crosse, Wis. 54601

Guntupalli, R.M.D.V. Prased, *Anesthesia* '74
Buffalo General Hospital
Buffalo, New York 14203

*Guralnick, Walter C.
Chief of the Department of Oral Surgery
Consultant in Dental Roentgenology (Radiology)
M.G.H.

Guss, Stephen B., *Dermatology* '70
Morristown Cardiology Associates
390 Madison Avenue
Morristown, N.J. 07960

*Guthrie, Andrew D., Jr.
Chief of Bunker Hill Health Center
Pediatrician
B.H.H.C.

Guyton, Arthur C., *Surgery* '46
University of Mississippi Medical Center
Jackson, Miss. 39216

*Guyton, Robert A.
4th Year Resident in Surgery
M.G.H.

*Guyton, Steven W.
2nd Year Resident in Surgery
M.G.H.

Haas, Melvyn L., *Neurology* '72
1003 Chafee Avenue
Augusta, Georgia 30904

*Habener, Joel F.
Assistant Physician
M.G.H.

*Haber, Edgar, *Medicine* '62
Physician
M.G.H.

*Haber, Jerome
Research Fellow in Surgery
M.G.H.

*Haber-Cohen, Andrea D.
1st Year Resident in Oral Surgery
M.G.H.

*Hackett, Thomas P.
Psychiatrist and Chief of Psychiatric Service
M.G.H.

Hadler, Nortin M., *Medicine* '73
University of North Carolina
School of Medicine
Chapel Hill, N.C. 27514

*Hadley, Terry P., *Dermatology* '72
Clinical Associate in Dermatology
32 Hugh Cargill
Concord, Mass. 01742

*Haessler, Herbert A., *Children's* '60
Assistant Pediatrician
General Medical Associates
101 River Road
Weston, Mass. 02193

*Hagopian, Peter B.
Consultant in Psychiatry
33 Bayberry Road
Danvers, Mass. 01923

Hahn, Michael J., *Pathology* '75
3401 A Balboa Lane
Columbia, Missouri 65201

Hainen, Ronald L., *Radiology* '76
4 Sugarwood Drive
Pittsfield, N.Y. 14534

Haines, Samuel F., *Medicine* '21
Mayo Clinic
Rochester, Minn. 55901

Hairabet, John K., *Anesthesia* '70
17 Georgiana Drive
Cumberland, R.I. 02864

Hajek, Joseph V., *Surgery* '67
The Sharon Clinic
Sharon, Conn. 06069

Hakala, Thomas R., *Surgery* '63, *Urology* '67
University of Pittsburgh, School of Medicine
Division of Urological Surgery
1083 Scaife Hall
Pittsburgh, Pa. 15261

Hale, Clayton H., *Radiology* '43
1200 E. Genesee St.
Syracuse, N.Y. 13210

*Hales, Charles A.
Assistant in Medicine
M.G.H.

Hall, Buford, *Medicine* '46
40 S. Clay St.,
Hinsdale, Ill. 60521

*Hall, Clive L.
Research Fellow in Pathology
M.G.H.

Hall, Francis C., *Medicine* '18
1180 Beacon St.,
Brookline, Mass. 02146

Hall, H. David, *Denistry* '59
Department of Oral Surgery
Vanderbilt School of Medicine
Nashville, Tenn. 37232

Halldorsson, Thorlakur S., *Children's* '67
Alfheimar 27
Reykjavik, Iceland

Hallenbeck, Dorr F., Jr., *Psychiatry* '49
Lowell Road,
Concord, Mass. 01742

Hallett, Mark, *Neurology* '75
Institute of Psychiatry
DeCrespigny Park, Denmark Hill, London, U.

Hallgrimsson, Jonas, *Pathology* '64
Dept. of Pathology, U. of Iceland
P.O. Box 150, Reykjavik, Iceland

*Hallowell, Phillips, *Anesthesia* '55
Anesthetist
M.G.H.

*Halsted, Douglas O.
2nd Year Resident in Orthopaedic Surgery
M.G.H.

Halverstadt, Donald B., *Surgery 61, Urology* '66
University of Oklahoma Medical Center
Oklahoma City, Okla. 73104

Hamilton, Howard B., *Children's* '45
901 S. Emerson Ave.
Indianapolis, Ind. 46203

*Hamlin, Hannibal, *Neurosurgery* '42
Senior Neurosurgeon
270 Benefit St.,
Providence, R.I. 02903

*Hammerman, Marc R.
3rd Year Resident in Medicine
M.G.H.

*Hammond, Denis B.
Clinical & Research Fellow in Medicine
M.G.H.

*Hammond, M. Elizabeth H.
Assistant in Pathology
M.G.H.

Hammond, Graeme L., *Surgery* '68
73 Millbrook Road
Hamden, Conn. 06518

Hanaway, Joseph, *Neurology* '73
Washington University
St. Louis, Mo. 63100

*Hand, Bernard R.
Clinical Associate in Anesthesia
Lahey Clinic Foundation
605 Commonwealth Avenue
Boston, Mass. 02215

*Hanelin, Joseph
Clinical Associate, Radiology
27 W. Central St.,
Natick, Mass. 01760

*Hanlon, Thomas M.
Clinical Associate on the Children's Service
2 Orchard Lane
Danvers, Mass. 01923

*Hann, Lucy E.
2nd Year Resident in Radiology
M.G.H.

*Hanna, Eleanor Z.
Assistant Psychologist (Psychiatry)
M.G.H.

*Hansen, Reid H.
2nd Year Resident (Intern) in Surgery
M.G.H.

Hansen, Robert H., *Anesthesia* '57
286 Marion Dr.
Baton Rouge, La. 70806

*Hanson, Eric C.T.
1st Year Resident in Surgery
M.G.H.

Hanser, Theodore H., *Medicine* '24
3555 Sunset Office Dr.
St. Louis, Mo. 63127

Haralambie, James Q., *Children's* '36
32 Bonnie Way, Larchmont, N.Y. 10538

*Harbin, William P.
2nd Year Resident in Radiology
M.G.H.

Harden, Lewis B., *Oral Surgery* '66
2709 Rainbow Drive
Cedar Falls, Iowa 50613

Harder, Hans J., *Anesthesia* '52
Schwabiner Krankenhaus,
Stadt Sparkasse,
Munich 23, Germany

Hardin, John A., *Medicine* '74
Yale University School of Medicine
333 Cedar Street
New Haven, Conn. 06520

*Hardy, Harriet L.
Honorary Physician
Sandy Pond Road
Lincoln Ctr., Mass. 01773

*Hardy, Irad B., *Surgery* '42
Clinical Associate, Surgery
84 South Street, Waltham, Mass. 02154

*Harkness, Stephen H.
3rd Year Resident in Anesthesia
M.G.H.

*Harley, William D.
2nd Year Resident in Radiology
M.G.H.

*Harmel, Richard P., Jr.
3rd Year Resident in Surgery
M.G.H.

Harper, David T., Jr., *Medicine* '63
Box 145, RFD 3, Easton, Md. 21601

Harper, Gordon P., *Psychiatry* '74
20 Orchard Avenue
Weston, Mass. 02193

Harper, Robert S., *Pathology* '58
Memorial Hospital
119 Belmont St., Worcester, Mass. 01605

Harris, Edward D., Jr., *Medicine* '64
Dept. of Medicine
Dartmouth Medical School
Hanover, N.H. 03755

*Harris, Francis D.
1st Year Resident in Anesthesia
M.G.H.

*Harris, Jeffrey E.
Clinical Fellow in Medicine
M.G.H.

Harris, Jerry L., *Pathology* '70
University of Texas Medical School
San Antonio, Tex. 78229

Harris, H. Patterson, Jr., *Neurosurgery* '36
83 Mill Hill Lane
Southport, Conn. 06490

*Harris, William H., *Orthopaedics* '59
Visiting Orthopaedic Surgeon
Consultant in Nuclear Medicine
266 Beacon St., Boston, Mass. 02116

Harris, W. Robert, *Orthopaedics* '52
170 St. George St.
Toronto, Ontario, Canada

Harrison, Elizabeth R., *Children's* '29
255 Bradley St.
New Haven, Conn. 06510

Harrison, Marlow B., *Medicine* '38
2000 Van Ness Ave.
San Francisco, Calif. 94109

Harrison, Michael R., *Surgery*
Surgery Office
Children's Hospital of Los Angeles
P.O. Box 54700
Los Angeles, Calif. 90054

Harrison, Timothy S., *Surgery* '59
University of Michigan Medical Center
1405 E. Ann Street, Ann Arbor, Mich. 48104

*Harrist, Terence J.
3rd Year Resident in Pathology
M.G.H.

Harter, John S., *Surgery* '35
Medical Arts Bldg.
Louisville, Ky. 40217

*Harthorne, J. Warren
Associate Physician
M.G.H.

Hartwig, Arthur R., *Orthopaedics* '48
4141 Geary Boulevard
San Francisco, Calif. 94118

*Harvey, Joan
3rd Year Resident in Medicine
M.G.H.

Harvey, Richard B., *Medicine* '46
251 Edwards St.
New Haven, Conn. 06511

Haslam, Kenneth R., *Anesthesia* '73
Dept. of Anesthesiology
No. Carolina School of Medicine
Chapel Hill, N.C. 27514

*Hass, Gerald
Clinical Associate, Children's Service
300 Mt. Auburn St., Suite 412
Cambridge, Mass. 02139

Haswell, Howard P., *Anesthesia* '49
6 Carnoustie Road, Novato, Cal. 94947

Hathaway, John S., *Medicine* '32
470 Prospect Street
New Haven, Conn. 06511

Haut, Arthur, *Medicine* '53
University of Arkansas Medical Center
Little Rock, Ark. 72201

*Havas, Stephen W.
Clinical Associate in Medicine
B.H.H.C.

Hawes, Cornelius H., *Surgery* '31
458 Maple St., Fall River, Mass. 02720

Hawes, Lloyd E., *Medicine* '39
Children's '40, *Radiology* '42
P.B.B.H.

Hawk, John C., *Surgery* '76
USAF Hospital — PACAF
PCS Box 5926
APO San Francisco, Calif. 96519

Hawkes, Richard S., *Medicine* '33
233 Vaughan St., Portland, Me. 04102

Hayden, Jay G., *Anesthesia* '71
Lahey Clinic
605 Commonwealth Avenue
Boston, Mass. 02215

Hayden, John W., *Orthopaedics* '55
Gunderson Clinic
La Crosse, Wisc. 54601

*Hayes, Hamilton R., *Medicine* '73
Clinical Associate in Medicine
M.G.H.

*Haynes, Harley A., *Dermatology* '69
Consultant in Dermatology
P.B.B.H.

Haynes, Ormond L., Jr., *Medicine* '73
Medical Associates
Bar Harbor, Maine 04609

Haynes, Ruth C., *Anesthesia* '55
4857 Green Acres Drive
Columbus, Ohio 43221

Haynes, Walter M., *Surgery* '56
4857 Green Acres Drive
Columbus, Ohio 43221

*Hazard, Gerald W., *Children's* '65
Assistant Pediatrician
140 Yarmouth Street
Hyannis, Mass. 02601

*Hazard, William L.
2nd Year Resident in Anesthesia
M.G.H.

*Head, John M., *Surgery* '57
Associate Visiting Surgeon
Zero Emerson Place
Boston, Mass. 20114

*Heaney, John A.
2nd Year Resident in Urology
M.G.H.

Heath, Clark W., *Medicine* '28
Phillips Avenue
Rockport, Mass. 01966

Heath, Robert D., *Orthopaedics* '50
Geisinger Medical Center
Danville, Pa. 17821

*Hedberg, Stephen E., *Surgery* '62
Associate Visiting Surgeon
Zero Emerson Place
Boston, Mass. 02114

*Hedley-Whyte, John
Honorary Anesthetist
B.I.H.

Heffron, Roderick, *Medicine* '31
18 Gray Lane
Falmouth, Mass. 02540

Heggie, John F., *Medicine* '56
625 Cleveland Avenue
Columbus, Ohio 43209

Heilbronn, Yechiel D., *Neurosurgery* '68
204 Hayarkem Street, Tel Aviv, Israel

Helfant, Murray H., *Neurosurgery* '65
One Buckminster Place
Framingham, Mass. 01701

Helgeson, Norman G.P., *Pathology* '66
Baylor University Medical Center
Dallas, Texas 75246

*Heller, Daniel G., *Children's* '75
Assistant in Pediatrics
M.G.H.

Heller, Richard M., *Radiology* '69
864 Rodney Drive
Nashville, Tenn. 37205

Heller, Robert S., *Radiation Medicine* '75
Radiation Therapy-Service
Building T-2
Walter Reed Army Medical Center
Washington, D.C. 20012

*Helman, Milton E.
Clinical Associate in Dermatology
2012 Centre Street
W. Roxbury, Mass. 02132

*Helme, Robert D.
3rd Year Resident in Neurology
M.G.H.

Hemholz, Henry F., Jr., *Medicine* '39
Mayo Clinic
Rochester, Minn. 55901

Helms, Charles, *Medicine* '73
Rural Route 2
Iowa City, IA 52240

Hemli, Jesaiachu A., *Neurology* '75
28 Hanassi Avenue
Haifa, Israel

Henderson, Brian E., *Medicine* '64
Dept. of Pathology,
USC School of Medicine
2055 Zonal Ave., Los Angeles, Calif.
90033

*Hendren, W. Hardy, *Surgery* '58
Visiting Surgeon
M.G.H.

*Heney, Niall M., *Urology* '75
Assistant in Urology
M.G.H.

*Henley, John W.
Clinical & Research Fellow in Medicine
M.G.H.

*Henneman, Elwood
Neurophysiologist, Neurology
H.M.S.

*Hensle, Terry W.
Assistant in Urology
M.G.H.

Hepburn, Robert H., *Urology* '43
91 Pioneer Drive
West Hartford, Conn. 06117

Herberman, Ronald B., *Medicine* '66
National Cancer Institute
Bethesda, Md. 20014

Herbst, Arthur L., *Surgery* '62
Chairman, Department of Obstetrics & Gynecology
Chicago Lying-In Hospital (CL1255)
Chicago, Ill. 60637

Hermann, Gilbert, *Surgery* '61
3865 Cherry Creek N. Drive
Denver, Colo. 80209

*Hermann, Howart T.
Associate Psychiatrist
34 Prospect Park
Newtonville, Mass. 02160

Herndon, James H., *Orthopaedics* '70
2719 Beechwood Drive
Grand Rapids, Michigan 49506

*Heros, Roberto C., *Surgery* '70, *Neurosurgery* '76
Assistant in Neurosurgery
M.G.H.

Herrera, Rudolfe E., *Surgery* '46
Hospital Herrera-Llerandi
6a Ave. 8-71 Zona 10
Guatemala City, Guatemala

*Herrin, John T.
Associate Pediatrician
M.G.H.

Herrmann, John B., *Surgery* '62
Worcester City Hospital
26 Queen St.
Worcester, Mass. 01610

*Herscovics, Annette A.
Assistant Biochemist in Medicine
M.G.H.

Hershberg, Robert A., *Pathology* '70
Brockton Hospital
Brockton, Mass. 02402

Hershey, Falls B., *Surgery* '52
621 S. New Ballas Rd.
St. Louis, Mo. 63141

*Herzan, Helen M.
Associate Psychiatrist
226 Pleasant St.
Arlington, Mass. 02174

Heston, Julie L., *Neurology* '76
New Hampshire Hospital
Pleasant Street
Concord, N.H. 03303

*Hewson, James S.
Clinical Assistant in Orthopaedic Surgery
Parkhurst Building
Beverly, Mass. 01915

Heyes, Edward A., *Orthopaedic Surgery* '74
1095 Blair Street
Salt Lake City, Utah 84111

Heyl, Henry L., *Neurosurgery* '40
Dartmouth Medical School
Hanover, N.H. 03755

Heyl, James T., *Medicine* '39
Phillips Exeter Academy
Exeter, N.H. 03833

*Hicks, Robert H., Jr., *Psychiatry* '74
Assistant in Psychiatry
M.G.H.

*Hiebert, Clement A., *Surgery* '58
Clinical Associate, Surgery
321 Brackett St.
Portland, Maine 04102

*Hier, Daniel B.
3rd Year Resident in Neurology
M.G.H.

Higgins, James T., *Children's* '76
741 Broadway
Somerville, Mass. 02144

*High, William L.
Clinical and Research Fellow in Neurology
M.G.H.

*Highberger, John H.
Visiting Biochemist, Medicine
M.G.H.

Hilgenberg, Alan D., *Surgery* '76
Suite 116
2045 Franklin Street
Denver, Colo. 80205

Hill, Leonard W., *Children's* '35
78 Bank St., Attleboro, Mass. 02703

Hill, Norman P., *Medicine* '46
Truesdale Hospital
Fall River, Mass. 02720

Hill, Thomas C., *Radiology* '75
c/o Gary Burke
165 Marguerite
Mill Valley, Calif. 94941

*Hill, William R., Jr.
Clinical Associate, Dermatology
M.G.H.

*Hillier, Robert K., *Surgery* '73
3rd Year Resident in Orthopaedic Surgery
M.G.H.

Hills, Henry M., Jr., *Orthopaedics* '42
Doctor's Park
Columbia Ave. at Mongolia
Charleston, W. Va. 25302

Hills, Oscar W., *Medicine* '43
121 So. San Mateo Drive
San Mateo, Calif. 94401

Hinshaw, Arvil J., *Surgery* '47
3155 Stagg Dr., Beaumont, Texas 77701

*Hinton, Richard C.
3rd Year Resident in Neurology
M.G.H.

*Hirsch, Martin S.
Assistant Physician
M.G.H.

*Hirshfield, Irvin N.
Assistant in Biochemistry, Medicine
M.G.H.

*Hnatowich, Donald J.
Associate Chemist (Radiology)
M.G.H.

*Hobbs, Eleanor T.
Clinical and Research Fellow in Medicine
M.G.H.

Hobson, Lawrence B., *Medicine* '44
Deputy Assistant Chief Medical Director for
Research and Education in Medicine (15A)
Veterans Administration
810 Vermont Ave., N.W.
Washington, D.C. 20420

*Hochachka, Peter W.
Consultant in Zoology (Anesthesia)
M.G.H.

*Hochberg, Fred H.
Clinical Associate in Neurology
M.G.H.

Hochberg, Mark S., *Surgery* '75
National Institutes of Health
Bethesda, Md. 20014

*Hochstedler, Rowen M., *Psychiatry* '75
Clinical Associate in Psychiatry
25 Green Street
Newburyport, Mass. 01950

Hochwalk W. Richard, *Orthopaedics* '31
2300 Far Hills Avenue
Dayton, Ohio 45419

Hodes, Richard J., *Medicine* '73
National Cancer Institute
Bethesda, Md. 20014

*Hodgson, Humphrey J.
Research Fellow in Medicine
M.G.H.

*Hodgson, John S., *Surgery* '20
Honorary Neurosurgeon
13 Jefferson Road
Chestnut Hill, Mass. 02167

Hoeffel, Gerald N., *Children's* '23
218 Middlesex Road
Chestnut Hill, Mass. 02161

Hofer, Myron, A. II, *Medicine* '60
Albert Einstein College of Medicine
New York, N.Y. 10467

*Hoffer, Edward P., *Medicine* '71
Clinical Associate in Medicine
M.G.H.

*Hoffman, Andrew R.
2nd Year Resident in Medicine
M.G.H.

*Hoffman, Robert M.
Assistant in Genetics on the Children's Service
M.G.H.

Hogan, John F., *Medicine* '49, *Children's* '51
99 Catilin Avenue, Rumford, R.I. 02916

Hogg, James C., *Pathology* '70
Dept. of Pathology
McGill University
Montreal, Quebec, Canada 3A 2B4

Holbrook, Arthur A., *Children's* '33
Medicine '34
2518 E. Lake Bluff Blvd.
Milwaukee, Wis. 53211

*Holder, Richmond, *Medicine* '45
Psychiatry '46
Associate Psychiatrist
412 Beacon St., Boston, Mass. 02115

*Holick, Michael F.
2nd Year Resident in Medicine
M.G.H.

*Holland, Daniel J., Jr., *Dentistry* '46
Clinical Associate, Oral Surgery
1037 Beacon St.
Brookline, Mass. 02146

Holland, Jimmie C.B., *Psychiatry* '55
31 Mamaroneck Road
Scarsdale, N.Y. 10583

*Holmes, Joseph A., *Pathology* '36, *Surgery* '38
Clinical Associate Surgery
84 South St., Waltham, Mass. 02154

*Holmes, Lewis B., *Children's* '65
Associate Pediatrician
M.G.H.

Holmes, R. Brian, *Radiology* '50
University of Toronto
1 Kings College Circle
Toronto, Ontario m5S 1A8, Canada

Holmes, S. Grant, *Children's* '43
R.F.D. 4, Box 218-H
Pensacola, Fla. 32503

Holt, Charles L., *Neurosurgery* '38
Faculty of Medicine
Mxorial University of Newfoundland
St. Johns, Newfoundland, Canada

Holt, William L., Jr., *Neurology* '37
Albany Medical Center Hospital
Albany, N.Y. 12208

*Holter, Arlen R.
4th Year Resident in Surgery
M.G.H.

*Homans, John Jr., *Medicine* '46
Clinical Associate in Medicine
92 Spooner Road
Chestnut Hill, Mass. 02167

*Homcy, Charles J.
Clinical and Research Fellow in Medicine
M.G.H.

*Hood, Antoinette F.
1st Year Resident in Dermatopathology
(Pathology)
M.G.H.

*Hood, Roger W.
1st Year Resident in Orthopaedic Surgery
M.G.H.

*Hoop, Bernard, Jr.
Associate Physicist (Radiology)
M.G.H.

Hooper, David C., *Medicine* '75
7804 Westfield Drive
Bethesda, M.D. 20034

*Hoover, Herbert C., Jr.
5th Year Resident in Surgery
M.G.H.

Hopkins, Charles E., *Children's* '48
1313 Fish Hatchery Road
Madison, Wis. 53715

*Hopkins, Cyrus C., *Medicine* '70
Assistant Physician
Hospital Epidemiologist
M.G.H.

Hopkins, Frederick S., *Surgery* '19
1072 Longmeadow Street
Longmeadow, Mass. 01106

Hopkins, Robert W., *Surgery* '54
Miriam Hospital
164 Summit Ave.
Providence, Rhode Island 02900

Hopkins, Stanford W., *Surgery* '36
28 Orne Street
Marblehead, Mass. 01946

Hormell, Robert S., *Orthopaedics* '42
8 Porter St., Melrose, Mass. 02176

Horn, Carl E., *Orthopaedics* '42
5301 F. Street
Sacramento, Calif. 95819

*Horvath, Ragnhild M.
Clinical Fellow in Oral Surgery
B.H.H.C.

*Horwitz, Ralph I.
3rd Year Resident in Medicine
M.G.H.

Hosea, Stephen W., *Medicine* '75
National Institute of Allergy & Infecpous Diseases
Bethesda, Md. 20014

Hoshi, Motonori, *Neurology* '72
8-18-33 Tamagawa-gakuf
Michida, Tokyo, Japan

Hovsepian, Jeannette A., *Radiology* '58
Veterans Administration Hospital
Palo Alto, Calif. 94304

Howard, Fred H., *Children's* '50
Plantation Manor
St. Thomas, Virgin Islands 00801

Howard, John E., *Medicine* '30
Johns Hopkins Hospital
Baltimore, Md. 21205

*Howard, Paul M., *Psychiatry* '37
Honorary Psychiatrist
McL.

*Howard, Stephen D.
Clinical Fellow in Psychiatry
M.G.H.

*Howe, Henry D., *Dentistry* '45
Clinical Associate in Oral Surgery
196 Marlboro Street, Boston, Mass. 02116

Howe, Henry F., *Surgery* '34
Dept. of Occupational Health
American Medical Association
535 Dearborn St., Chicago, Ill. 60610

*Howell, Mary C.
Clinical Associate on the Children's Service
H.M.S.

Howell, Stephen B., *Medicine* '72
44 Shepard Street, Apt. 2
Cambridge, Mass. 02138

Howley, Peter M., *Pathology* '73
Laboratory of Pathology
National Cancer Institute
Bethesda, Md. 20014

Hubbard, Eliot, Jr., *Medicine* '21
29 Highland St.
Cambridge, Mass. 02138

Huber, William M., *Dermatology* '37
90 Commonwealth Ave.
Boston, Mass. 02116

Huckell, John R., *Orthopaedics* '58
220 Physicians and Surgeons Bldg.
8405 112th St.
Edmonton, Alberta, Canada

*Huddleston, James I., *Orthopaedics* '69
Assistant Orthopaedic Surgeon
M.G.H.

*Hueter, David C., *Medicine* '73
Physician in Charge of Graphic Methods Lab
Section of Cardiology
University Hospital
750 Harrison Avenue
Boston, Mass. 02118

Hugenberger, Paul W., *Pathology* '32
Orthopaedics '35
264 Beacon Street
Boston, Mass. 02116

*Huggins, Charles E., *Surgery* '60
Director of Blood Bank
M.G.H.

Hughes, Harry C., *Orthopaedics* '37
1750 Race St., Denver, Colo. 80206

Hughes, Jams R., *Medicine* '61
All-India Institute of Hygiene and
Public Health
110 Chittaranjanz Ave.
Calcutta 12, India

Hugin, Werner, *Anesthesia* '48
Cantonal Hospital
400 Basel
Switzerland

*Huizenga, Charles G.
Clinical Assistant in Pathology
Emerson Hospital
Old Road to Nine Acre Corner
Concord, Mass. 01742

Hutler, Marilyn N., *Anesthesia* '74
25 Corte Lodato
Greenbrae, Calif. 94904

Hummel, L. Edgar, *Pathology* '32
135 Linwood Avenue
Buffalo, N.Y. 14215

Humphreys, Storer P., *Orthopaedics* '36
Neurosurgery '37
266 Beacon Street,
Boston, Mass. 02116

*Hunt, Jettie V.
2nd Year Resident in Pathology
M.G.H.

Hunt, Richard T.N., *Pathology* '58
Mt. Diablo Hospital
Dept. of Pathology
Concord, Calif. 94520

Hunter, Ralph W., *Neurology* '39
Hitchcock Clinic
Hanover, N.H. 03755

Huntington, Benjamin L.,.*Medicine* '40
6 Lincoln Avenue
Manchester, Mass. 01944

Huppe, Justin R., *Radiology* '57
Prinzregentenstrasse, 66
Munich, Germany

*Hurley, Pamela M.
Research Fellow in Surgery
M.G.H.

*Hurston, Ronald O.
Assistant in Psychiatry
18 Moore Street
Belmont, Mass. 02178

Hurt, R. Wayne, *Neurosurgery* '75
Institute of Neurological Sciences
Southern General Hospital
Glasgow 651.4TF
Scotland

Hurxthal, Lewis M., *Medicine* '27
404 Sandwich Street
Plymouth, Mass. 02360

Huston, Lewis L., *Orthopaedics* '37
146 Chestnut Street
Springfield, Mass. 01103

*Hutcheson, Bellenden R.
Clinical Associate, Psychiatry
Dept. of Mental Health
190 Portland St.
Boston, Ma. 02114

Hutchinson, David, *Psychiatry* '69
318 Hot Springs Blvd.
Route 1, Box 499-D
Las Vegas, N.M. 87701

*Hutter, Adolph M., Jr.
Assistant Physician
M.G.H.

Hutton, John J., Jr., *Medicine* '65
409 Lakeshore Dr.
Lexington, Ky. 40502

Hyman, Vera C., *Pathology* '72
439 Whitman Drive
Florence, S. Carolina 29501

*Hyslop, Newton E., Jr., *Medicine* '63
Associate Physician
M.G.H.

Isben, Bjorn, *Anesthesia* '50
Anaesthesiologisk afd.
Kommunehospitalet K.
Copenhagen, Denmark

Ilfeld, Frederick W., *Orthopaedics* '37
436 N. Roxbury Drive
Beverly, Hills, Calif. 90210

Imbembo, Anthony L., *Surgery* '73
4000 N. Charles Street
Baltimore, Md. 21218

Ingalls, Theordore H., *Children's* '38
52 Oaks Road
Framingham, Mass. 01701

*Ingersoll, Francis M., *Surgery* '39
Gynecologist
8 Hawthorne Place, Boston, Mass. 02114

*Inglis, George B.
Research Fellow in Radiology
M.G.H.

*Irr, Joseph D.
Research Fellow in Pediatrics
M.G.H.

*Irwin, David
Assistant Biochemist (Surgery)
S.B.I.

*Irwin, John W.
Assistant Physician
M.E.E.I.

Irwin, Robert J., Jr., *Surgery* '69
Urology '74
c/o Dr. Lamar Weems
University of Mississippi Medical Center
2500 North State Street
Jackson, Miss. 39216

Isaacs, James P., *Anesthesia* '52
1527 Glencoe Rd.
Sparks, Md. 21152

Iskandar, Adly H., *Anesthesia* '71
Lynn Hospital
212 Boston Street
Lynn, Mass. 01904

*Isler, Robert J.
2nd Year Resident in Radiology
M.G.H.

*Isselbacher, Kurt J., *Medicine* '53
Physician
M.G.H.

Jackson, Stephen H., *Anesthesia* '67
2319 Saidd Dr. #4
San Jose, Calif. 95124

*Jacobs, Edward E., Jr., *Surgery* '68
Clinical Fellow in Surgery
M.G.H.

*Jacobs, Marshall L.
1st Year Resident in Surgery
M.G.H.

*Jacobsen, Stephen J.
Research Fellow in Pediatrics
M.G.H.

*Jacobson, Alan M.
Assistant Psychiatrist
B.H.H.C.

*Jacobson, Bernard M.
Senior Physician
M.G.H.

*Jacobson, Gary
Associate Psychiatrist
L.M.H.C.

*Jacoby, George A., Jr., *Medicine* '64
Associate Physician
M.G.H.

*Jacoby, Lee B.
Assistant Geneticist on Children's Service
M.G.H.

*Jaffer, Farooq
Assistant Radiologist
M.G.H.

James, A. Everett, Jr., *Radiology* '67
Chairman, Department of Radiology
Vanderbilt University School of Medicine
Nashville, Tenn. 37232

James, G. Watson III, *Medicine* '44
Medical College of Virginia
Richmond, Va. 23219

James, Lewis P., Jr., *Pathology* '63
Memorial Hospital
Worcester, Mass. 01605

*Jampel, Robert M.
Clinical Associate in Psychology (Psychiatry)
M.G.H.

Jang, Geun C., *Radiology* '70
Stanford University Hospital
Stanford, CA 94305

*Janower, Murray L., *Radiology* '63
Clinical Associate in Radiology
Chief of Radiology
St. Vincent Hospital
Worcester, Mass. 01600

Jarratt, Michael T., *Dermatology* '72
Baylor College of Medicine
1200 Moursund
Houston, Tex. 77030

Jarrett, Frederic, *Surgery* '75
Department of Surgery 4-N
University of Wisconsin Hospitals
1300 University Avenue
Madison, Wis. 53706

Jarx, Robert H., *Radiology* '74
Franklin County Public Hospital
Greenfield, Mass. 01301

Jarratt, Michael T., *Dermatology* '72
1200 Moursund
Houston, Tex. 77025

*Jasinska, Miroslawa T.
Assistant Anesthetist
M.G.H.

*Javaheri, Shahrokh
Clinical and Research Fellow in Medicine
M.G.H.

Javid, Manucher, *Neurosurgery* '52
University Hospital
Madison, Wis. 53706

*Jayasankar, Subramanyan, *Orthopaedics* '71
Clinical Associate in Oral Surgery
Zero Emerson Place
Boston, Mass. 02114

*Jean-Baptiste, Michel
3rd Year Resident in Surgery
M.G.H.

*Jeanloz, Roger W.
Biochemist, Medicine
M.G.H.

*Jeffrey, Charles C.
1st Year Resident in Anesthesia
M.G.H.

*Jellinek, Michael S.
1st Year Resident in Psychiatry
M.G.H.

Jenkins, Charles K., *Radiology* '68
1415 Third Street
Corpus Christi, Tex. 78404

Jenkins, Marion T., *Anesthesia* '48
University of Texas Southwestern
Medical School
Dallas, Tex. 75235

*Jennings, Michael R.
3rd Year Resident in Medicine
M.G.H.

*Jergesen, Harry E., *Surgery* '74
3rd Year Resident in Orthopaedic Surgery
M.G.H.

Jeroy, Harry K., *Anesthesia* '74
3rd Year Resident in Orthopaedic Surgery
M.G.H.

Jeroy, Harry K., *Anesthesia* '73
4327 Thoroughgood Drive
Virginia Beach, Va. 23455

Jobe, Merrill C., *Children's* '24
2100 S. St. Paul St., Denver, Colo. 80210

*Johnson, Allen C.
1st Year Resident in Anesthesia
M.G.H.

Johnson, Dale G., *Surgery* '61
Primary Children's Hospital
320 Twelfth Ave.
Salt Lake City, Utah 84103

Johnson, Eric H., *Surgery* '67
3 Hawthorne Place
Boston, Ma. 02114

Johnson, F. George, *Dentistry* '43
94 Goodman Hill Rd.
Sudbury, Mass. 01776

*Johnson, G. Timothy
Clinical Associate in Medicine
M.G.H.

*Johnson, Houston, Jr.
2nd Year Resident in Surgery
M.G.H.

Johnson, Louis G., *Pathology* '40
Medicine '42
Royal Victoria Hospital
Montreal, Canada

Johnson, Norman P., *Medicine* '25
1701 South Irving Ave.
Minneapolis, Minn. 55403

*Johnson, Neil R., *Psychiatry* '75
Clinical Associate in Psychiatry
M.G.H.

Johnson, Paul R., *Pathology* '35
85 Jefferson St., Hartford, Conn. 06103

*Johnson, Richard A.
Assistant in Dermatology
M.G.H.

Johnson, Richard T., *Neurology* '60
The Johns Hopkins Hospital
Baltimore, Md. 21205

*Johnson, Robert A.
Assistant in Medicine
M.G.H.

*Johnson, Sylvia C.
3rd Year Resident in Dermatology
M.G.H.

Johnson, Verner S., *Orthopaedics* '55
33 Oak Ave., Worcester, Mass. 01609

*Johnson-Muller, Barbara P.
Research Fellow in Medicine
M.G.H.

Johnston, Edward V., *Surgery* '47
312 West 8th Ave.
Spokane, Wash. 99204

Johnston, Hilary, *Anesthesia* '73
The Royal Victoria Hospital
Belfast, B 126BA
Northern Ireland

Jones, Basil B., *Medicine* '18, *Children's* '19
3103 Sunset Ave., Richmond, Va. 23221

*Jones, Frederick L.
Chief Resident in Orthopaedic Surgery
M.G.H.

Jones, Gordon E., *Surgery* '42
108 West 22nd St.
Olympia, Wash. 98502

*Jones, H. Walter, Jr.
Assistant Physician
Medical Department
M.I.T.

Jones, Robert H., *Medicine* '59
University of Rochester School of
Medicine and Dentistry
Rochester, N.Y. 14620

Jones, Thomas B., *Surgery* '24
207 John Pinckney Lane
Williamsburg, Va. 23185

*Jones, Thomas H., *Surgery* '75
2nd Year Resident in Neurosurgery
M.G.H.

Jones, Wallace A., *Pathology* '59
Hunt Memorial Hospital
Lindall St.
Danvers, Mass. 01923

Jones, Wm. Norman, *Orthopaedics* '47
Associate Orthopaedic Surgeon
M.G.H.

Joplin, Robert J., *Pathology* '29
Orthopaedics '33
Highland Orthopedic Center
Cochranville, Pa. 19330

Jordan, William R., *Medicine* '30
1631 Monument Ave.
Richmond, Va. 23220

Joseph, Alfred T., *Dentistry* '41
16 Clarke Street
Lexington, Mass. 02173

*Joseph, Brian S.
Assistant Psychiatrist
L.M.H.C.

*Joseph, John B., *Children's* '62
Assistant Pediatrician
5 Brooke Street
Scituate, Mass. 02066

Josse, John W., *Medicine* '58
1835 Park Ave.
San Jose, Calif. 95126

Jovenich, James J., *Anesthesia* '71
M.E.E.I.

Judd, Alvan B., *Surgery* '55
812 Broad St.
Shrewsbury, N.J. 07701

Judd, James M., *Surgery* '45
Neurosurgery '46
Picturesque Parkway
Schenectady, N.Y. 12303

*Jung, Andre'
Clinical & Research Fellow in Medicine
M.G.H.

*Jung, Walter K.
5th Year Resident in Pathology
M.G.H.

*Jungalwala, Fioze B.
Assistant in Biochemistry (Neurology)
Fernald State School
200 Trapelo Road
Waltham, Mass. 02154

*Jupiter, Jessie B.
1st Year Resident in Orthopaedic Surgery
M.G.H.

Justi, Raymond A., *Pathology* '56
South Miami Hospital
7400 S.W. 62nd Avenue
So. Miami, Fla. 33143

*Justice, Norma S.
Assistant in Computer Science (Medicine)
M.G.H.

*Kaban, Leonard B., *Oral Surgery* '72, *Surgery* '74
Clinical Associate in Oral Surgery
P.B.B.H.

Kacki, Janusz F., *Anesthesia* '66
U1, Grojecka 65a M. 34
Warsaw, 22, Poland

*Kadir, Saadon
3rd Year Resident in Radiology
M.G.H.

*Kadish, Sidney P., *Radiology* '71
Radiation Medicine '71
Clinical Associate in Radiation Medicine
Director, Department of Radiation Oncology
St. Vincent Hospital
Worcester, Mass. 01610

*Kagan, Jerome
Consultant in Psychology, Children's
210 Clifton Street
Belmont, Mass. 02178

Kahan, Barry D., *Surgery* '72
Northwestern University
303 E. Chicago Ave.
Chicago, Ill. 60611

Kahan, Eileen Blumenthal, *Children's* '71
8 Redcoat Lane
Lexington, Mass. 02173

Kahan, Ronald S., *Dermatology* '76
Lahey Clinic
Boston, Mass. 02215

Kahn, David S., *Pathology* '50
St. Mary's Hospital
Montreal, Canada

*Kahn, Robert E.
Clinical Assistant in Medicine
475 Franklin Street
Framingham, Mass. 01701

Kaiser, John S., *Pathology* '69
39 Harthorn Avenue
Bangor, Maine 04401

*Kalckar, Herman M.
Visting Biochemist (Medicine)
M.G.H.

*Kalish, Martin I.
Clinical & Research Fellow in Medicine
M.G.H.

*Kalisher, Lester
Consultant in Radiation Medicine
M.G.H.

*Kameny, Stuart M.
Clinical Assistant, Psychiatry
390 Commonwealth Avenue
Boston, Mass. 02215

*Kanarek, David J.
Assistant in Medicine
M.G.H.

*Kane, Lewis W., *Medicine* '41
Assistant in Medicine
M.G.H.

Kane, Robert A., *Pathology* '75
N.E.D.H.

Kantrowitz, Paul A., *Medicine* '64
Mt. Auburn Hospital
330 Mt. Auburn St.
Cambridge, Mass. 02138

Kanverezi, Bwogi Richard, *Medicine* '70
Makerere Univ. College Medical School
Kampala, Uganda

Kao, Ming C., *Neurosurgery* '74
National Taiwan University Hospital
1, Chang-Te Street
Taipei, Taiwan,
Republic of China

Kapellakis, George Z., *Surgery* '73
Aretaeion Hospital
Vas, Sophias
Athens, Greece

*Kaplan, Donald M.
Clinical & Research Fellow in Medicine
M.G.H.

*Kaplan, Joan C.
Assistant Biochemist (Medicine)
M.G.H.

*Kaplan, Richard F.
1st Year Resident in Anesthesia
M.G.H.

Karassik, Steven L., *Deramtology* '73
Long Beach V.A. Hospital
Long Beach, Calif. 90801

*Karchmer, Adolf W., *Medicine* '70
Assistant Physician
M.G.H.

Karian, Edward, *Dermatology* '55
358 Commonwealth Avenue
Boston, Mass. 02115

*Karlson, Karl H.
Clinical & Research Fellow in Pediatrics
M.G.H.

Karnes, William E., *Neurology* '58
Mayo Clinic
Rochester, Minn. 55901

*Karnovsky, Morris J.
Consultant in Pathology
HMS

*Kase, Carlos S.
3rd Year Resident in Neurology
M.G.H.

Katz, Arnold M., *Medicine* '60
Mt. Sinai Hospital
100 St. & Fifth Ave.
New York, N.Y. 10029

Katz, Nevin M., *Surgery* '76
233 Redwood Street
Birmingham, AL 35210

Katz, Samuel L., *Children's* '55
Department of Pediatrics
Duke University School of Medicine
Durham, N.C. 27710

Kaufmann, Herbert E., *Medicine* '57
J. Hillis Miller Health Center
University of Florida
Gainesville, Fla. 32603

*Kaufman, Jeffrey L.
1st Year Resident in Surgery
M.G.H.

*Kaufman, Sheldon D.
Assistant Physician
5 Emerson Place
Boston, Mass. 02114

Kaufman, Gustav G., *Medicine* '41
15 Dix Street, Winchester, Mass. 02152

*Kay, Harold R.
Research Fellow in Surgery
M.G.H.

Kazanjian, Kenneth A., *Dermatology* '33
475 Commonwealth Ave.
Boston, Mass. 02215

*Kazemi, Homayoun, *Medicine* '63
Physician
M.G.H.

Keasley, Richard B., *Children's* '56
Stoneybrook Lane
Norwell, Mass. 02061

Keating, Philip J., *Anesthesia* '51
Cardiovascular Anesthesia
Texas Heart Institute
Texas Medical Center
Houston, Tex. 77025

Keats, Arthur S., *Anesthesia* '51
Cardiovascular Anesthesia
Texas Heart Institute
Texas, Medical Center

Keeley, James K., *Neurosurgery* '37
Surgery '38
103 S. Hamilton St.
Poughkeepsie, N.Y. 12601

*Keenan, M. Edward, *Children's* '64
Pediatrician
Zero Emerson Place
Boston, Mass. 02114

Keenan, Thomas J., *Anesthesia* '59
M.E.E.I.

*Keevil, Charles S., Jr., *Medicine* '58
Clinical Associate in Medicine
Concord Rd., Lincoln,
Mass. 01773

*Keim, Daniel E.
Assistant Pediatrician
M.G.H.

*Keith, David A.
Clinical Fellow in Oral Surgery
M.G.H.

Keitt, Alan S., *Medicine* '63
Division of Hematology
University of Florida College of Medicine
Gainesville, Fla. 32601

*Kelleher, Thomas R.
Clinical Fellow in Psychology (Psychiatry)
M.G.H.

Keller, Albert R., *Pathology* '68
Samuel Merritt Hospital
Oakland, Calif. 94609

*Keller, John W.
Assistant Physician
One Hawthorne Place
Boston, Mass. 02114

*Keller, Martin B.
Clinical Assistant in Psychiatry
M.G.H.

Keller, Robert B., *Orthopaedics* '67
C.H.M.C.

Kelley, Charles G., *Anesthesia* '73
U.S. Public Health Service Hospital
Brighton, Mass. 02135

*Kelley, Rita M., *Medicine* '49
Physician
M.G.H.

*Kelley, Sylvester B., *Surgery* '31, *Urology* '32
Honorary Urologist
34 Exeter Street, W. Newton, Mass. 02165.

*Kelly, Dorothy H., *Children's* '75
Assistant in Pediatrics
M.G.H.

*Kelly, Jeane M.N.
Clinical Fellow in Medicine
Chelsea Health Center
111 Bellingham Street
Chelsea, Mass. 02150

*Kelly, John P.W., *Oral Surgery* '72
Clinical Associate in Oral Surgery
M.G.H.

*Kemler, Barry J.
Clinical & Research Fellow in Medicine
M.G.H.

Kempczinski, Richard F., *Surgery* '74
11013 East Vassar Drive
Denver, Colo. 80232

Kendrick, James I., *Orthopaedics* '33
2020 East 93rd Street
Cleveland, Ohio 44106

Kennard, Harrison E., *Surgery* '34
246 Dudley Road
Newton Centre, Mass. 02159

Kennedy, Byrl J., *Medicine* '52
University of Minnesota Hospitals
Minneapolis, Minn. 55414

Kennedy, John H., *Surgery* '55
Olin 518
Case Western Reserve University
University Circle
Cleveland, Ind. 47374

Kennedy, Robert P., *Surgery* '24
R.D. 1, Box 262
Richmond, Ind. 47374

*Kennedy, Sean K.
2nd Year Resident in Anesthesia
M.G.H.

Kenner, Gerald, *Orthopaedics* '61
77 N. San Mateo Drive
San Mateo, Calif. 94401

*Kenney, Robin O.
Clinical Fellow in Psychology (Psychiatry)
M.G.H.

Kent, Peter D., *Orthopaedics* '76
U.S. Air Force Hospital
Tinker Air Force Base
Oklahoma 73145

Kenzora, John E., *Orthopaedic Surgery* '71
75 Thornberry Rd.
Winchester, Mass. 01890

*Kermond, William L.
Assistant Orthopaedic Surgeon
10 Converse Place
Winchester, Mass. 01890

Kernan, Reginald D., *Pathology* '45
25 Ave. des Champs Elysees
Paris, 8a, France

*Kerr, Walter, S., Jr., *Surgery* '47, *Urology* '49
Urologist
M.G.H.

Kerrigan, Gerald, A., *Children's* '52
1081 E. Circle Drive
Milwaukee, Wis. 53217

Ketchum, William F., *Children's* '48
Children's Cancer Research Foundation
35 Binney Street,
Boston, Mass. 02115

*Kety, Josephine G.
Assistant Pediatrician
W.E. Fernald State School
Waltham, Mass. 02154

*Kety, Seymour S.
Psychobiologist, Psychiatry
Chief of Psychiatric Research Laboratories
M.G.H.

*Keuper, Charles S., *Dermatology* '51
Assistant Dermatologist
John Cuming Building
Concord, Mass. 01742

*Keutmann, Henry T.
Assistant in Biochemistry (Medicine)
M.G.H.

Key, Robert, E., *Orthopaedics* '58
800 5th Avenue
Fort Worth, Tex. 76104

Keyes, Gale H., *Medicine* '47
Ogden Clinic
Ogden, Utah 84403

*Khaw, Ban-An
Assistant in Biochemistry (Medicine)
M.G.H.

*Kiagn, Nelson Y.S.
Neurophysiologist (Neurology)
M.E.E.I.

*Kidson, Iain G.
Research Fellow in Surgery
M.G.H.

*Kieffer, J. David
Research Fellow in Medicine
M.G.H.

Kiely, Brian, *Medicine* '52
New York University School of Medicine
550 1st Avenue,
New York, N.Y. 10016

*Kien, Craig L.
Clinical and Research Fellow in Pediatrics
M.G.H.

*Kikuchi, Yuzo
Research Fellow in Radiation Medicine
M.G.H.

Kifoyle, Richard M., *Orthopaedics* '51
457 Main Street
South Weymouth, Mass. 02190

Kim, Jin Woo, *Anesthesia* '71
M.E.E.I.

*Kim, Samuel H.
Assistant Surgeon
M.G.H.

*Kimball, Peter G., *Dental Medicine* '63
Associate Visiting Oral Surgeon
Parkhurst Medical Building
Beverly, Mass. 01915

*Kimball, William R.
1st Year Resident in Anesthesia
M.G.H.

Kimura, Kazuo K., *Children's* '56
1422 Carrington Lane
Vienna, Va. 22180

King, Howard S., *Children's* '59
2000 Washington Street
Newton Lower Falls, Mass. 02162

*King, Mary Etta, *Children's* '75
Clinical and Research Fellow in Pediatrics
M.G.H.

King, W. Bradley, Jr., *Pathology* '56
Maryland General Hospital
Baltimore, Md. 21201

Kinney, Robert J., *Medicine* '43
926 Pueblo Solano N.W.
Albuquerque, N.M. 87107

Kinsey-Ruegg, Dera, *Medicine* '39
35 Miller Hill Road
Dover, Mass. 02030

*Kirklin, James K.
4th Year Resident in Surgery
M.G.H.

*Kirkpatrick, Rob H.
Assistant Radiologist
M.G.H.

*Kirkwood, Samuel B., *Surgery* '34
Consultant in Surgery
President, American University of Beirut
Republic of Lebanon

*Kirshenbaum, Howard D.
Clinical & Research Fellow in Medicine
M.G.H.

*Kirshner, Howard S., *Medicine* '73
2nd Year Resident in Neurology
M.G.H.

*Kistler, J. Philip, *Neurology* '75
Assistant in Neurology
M.G.H.

*Kitajima, Masaki
Research Fellow in Surgery
S.B.I.

Kitts, Albert W., *Children's* '41
Media Clinic
Providence & Beatty Roads
Media, Pa. 19063

*Kitz, Richard J.
Chief of the Department of Anesthesia
M.G.H.

*Kjellberg, Raymond N., *neurosurgery* '59
Visiting Neurosurgeon
M.G.H.

Klaeveman, Hayden L., *Medicine* '72
3500 Market Street, #302
San Francisco, Calif. 94131

Kleaveland, Richard N., *Surgery* '56
Medical Center Building
Spokane, Wash. 99204

*Kleefield, Jonathan
4th Year Resident in Radiology
M.G.H.

Klein, David M., *Neurosurgery* '61
125 Hodge Avenue
Buffalo, N.Y. 14222

Klein, Edmund, *Dermatology* '59
Roswell Park Memorial Inst.
Buffalo, N.Y. 14203

*Klein, Jerome O.
Associate Pediatrician
B.C.H.

Klein, Michael D., *Medicine* '66
54 Sedgewick Rd.
West Hartford, Conn. 06170

Kleinman, Arthur M., *Psychiatry* '74
Department of Psychiatry
University of Washington School of Medicine
Seattle, Wash. 98105

*Kleinman, George M.
3rd Year Resident in Pathology
M.G.H.

Kleinman, Leonard I., *Children's* '62
University of Cincinnati College of Medicine
Cincinnati, Ohio 45219

*Kleinman, Stephen C.
3rd Year Resident in Psychiatry
M.G.H.

Klempner, Mark S.J., *Medicine* '75
National Institutes of Health
Bethesda, Md. 20014

Klenk, Eugene L., *Children's* '63
The Mary Imogene Bassett Hospital
Cooperstown, N.Y. 13326

*Klerman, Gerald L.
Psychiatrist
Superintendent of L.M.H.C.

*Kliman, Allan
Clinical Associate in Medicine
Massachusetts Rehabilitation Hospital
125 Nashua Street, Boston, Mass. 02114

*Kliman, Bernard
Associate Physician
M.G.H.

*Kline, Robert M., *Children's* '63
Clinical Associate in Pediatrics
Barker Avenue
Gloucester, Mass. 01930

Klingensmith, Walter E., *Surgery* '61
Beckley Memorial Hospital
Beckley, W. Va. 25801

*Klock, John C., Jr.
Clinical & Research Fellow in Medicine
M.G.H.

Knapp, Peter H., *Psychiatry* '47
80 East Concord St.
Boston, Mass. 02118

Knapp, Robert G., Jr., *Dentistry* '50
1402 Genesee St., Utica, N.Y. 13502

Kneisel, John J., *Medicine* '40
314 Beacon Street
Boston, Mass. 02116

*Knowles, John H., *Medicine* '58
Honorary Physician
28 Fernwood Rd.
Chestnut Hill, Mass. 02167

*Kobayashi, Koichi
Clinical and Research Fellow in Surgery
M.G.H.

Kobayashi, Ronald M., *Neurology* '72
5598 Coral Reed Avenue
La Jolla, Calif. 92037

Koch-Weser, Jan, *Medicine* '59
Centre de Recherche Merrell International
16 rue d'Ankara
67000 Strasbourg
France

Kolins, Jerry, *Pathology* '74
4909 Elsmere Avenue
Bethesda, Md. 20014

*Kolodny, Edwin H.
Associate Neurologist
M.G.H.

*Kolodny, Gerald M., *Radiology* '66
Associate Radiologist
M.G.H.

*Kolodny, Nancy H.
Research Fellow in Radiology
M.G.H.

*Kolotkin, Richard A.
Clinical Fellow in Psychology (Psychiatry)
M.G.H.

*Konstam, Marvin A.
1st Year Resident in Radiology
M.G.H.

Koopman, William J. III, *Medicine* '74
5816 Greenlawn Drive
Bethesda, Md. 20014

*Kopans, Daniel B.
3rd Year Resident in Radiology
M.G.H.

Koppel, Elizabeth A., *Anesthesia* '54
437 Cedar Street, N.W.
Washington, D.C. 20012

Kopriva, Charles J., *Anesthesia* '69
Anesthesia Department
Yale School of Medicine
333 Cedar St.
New Haven, Conn. 06510

*Korfhagen, Thomas R.
Research Fellow in Medicine
M.G.H.

Korn, David, *Pathology* '60
Stanford University School of Medicine
Palo Alto, Calif. 94304

*Kornblith, Paul L., *Surgery* '66
Neurosurgery '71
Assistant Visiting Neurosurgeon
M.G.H.

Kosek, Margaret Single, *Children's* '58
300 Homer Street
Palo Alto, Calif. 09301

*Kosinski, Katherine S.
3rd Year Resident in Pathology
M.G.H.

Kotner, Lawrence M., Jr., *Radiology* '72
Jewish Hospital
Department of Radiology
St. Louis, Mo. 63178

*Koumans, Alfred J.R.
Associate Psychiatrist
Psychiatric Service
M.I.T.

*Kouretas, Nicholas D., *Psychiatry* '75
Clinical Assistant in Psychiatry
M.G.H.

*Kourides, Ione A.
Clinical Assistant in Medicine
M.G.H.

Kozol, Harry L., *Medicine* '36
330 Beacon Street, Boston, Mass. 02116

*Krakauer, Randall S.
Clinical and Research Fellow in Medicine
M.G.H.

*Kramer, Marc S.
1st Year Resident in Psychiatry
M.G.H.

*Krane, Stephen M., *Medicine* '57
Physician
M.G.H.

*Kranes, Alfred, *Medicine* '35
Senior Physician
M.G.H.

Kraut, Herbert L., *Dermatology* '57
47 Oak Street, Stamford, Conn. 06905

*Krauthammer, Charles
Clinical and Research Fellow
(Acting 2nd Year Resident) in Psychiatry
M.G.H.

Kravitz, Arthur R., *Medicine* '55
B.I.H.

Kreisle, James E., *Medicine* '47
P.O. Box 4975
Austin, Tex. 78765

*Krenis, Laurence J.
Assistant Anesthetist
M.G.H.

Krickstein, Herbert I., *Pathology* '63
564 Glen Arbor Lane
Grosse Pointe, Mich 48236

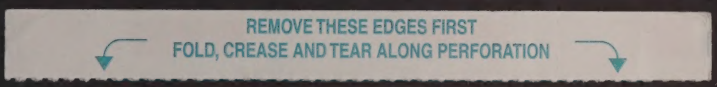
Krikorian, John G., *Medicine* '74
28835 Black Mountain Road
Los Altos Hills, Calif. 94922

*Krishnamoorthy, Kalpathy S., *Neurology* '74
Assistant Pediatrician
Assistant Neurologist
M.G.H.

Krisjansson, Haukur, *Orthopaedics* '46
City Hospital
Reykjavik, Iceland

*Krogstad, Donald J.
Clinical & Research Fellow in Medicine
M.G.H.

*Kronenberg, Gretchen B., *Children's* '72
Clinical Associate in Pediatrics
M.G.H.


REMOVE THESE EDGES FIRST
FOLD, CREASE AND TEAR ALONG PERFORATION

*Kronenberg, Henry M., *Medicine* '72
Clinical & Research Fellow in Medicine
M.G.H.

*Krop, Thomas M.
3rd Year Resident (Acting Chief Resident)
In Dermatology
M.G.H.

Krudy, Adrian G., *Radiology* '76
45th Field Hospital
Ficenza, Italy
APO New York, NY 09221

*Krug, Ernest F. III
2nd Year Resident on the
Children's Service
M.G.H.

*Kubik, Charles S.
Honorary Neurologist
Lincoln Road, Box 203
Lincoln, Mass. 01773

*Kubilus, Joseph
Research Fellow in Dermatology
M.G.H.

*Kucharski, Anastasia
M.G.H.

*Kuehnle, John C.
Clinical Fellow in Psychiatry
M.G.H.

*Kuehnle, Kristen J.
Clinical Fellow in Psychology
(Psychiatry)
M.G.H.

*Kugimiya, Toyoki
3rd Year Resident in Anesthesia
M.G.H.

Kuhlmann, Raymond F., *Orthopaedics* '48
80 Colchester Ave.
Burlington, Vt. 05401

Kuhn, William G., Jr., *Orthopaedics* '49
251 Powers St.
New Brunswick, N.J. 08902

Kulka, J. Peter, *Pathology* '47
77 Parkingway
Quincy, Mass. 02169

*Kulprathipanja, Santi
Research Fellow in Radiology
M.G.H.

*Kumar, Ajit
Associate Biochemist (Surgery)
S.B.I.

Kumar, Anil, *Anesthesia* '70
Waltham Hospital
Waltham, Mass. 02154

*Kumar, Joan R.
3rd Year Resident in Pathology
M.G.H.

Kumpe, David A., *Radiology* '71
Radiology Department
University of Maryland Hospital
Baltimore, Md. 21202

*Kunz, Lawrence J.
Bacteriologist
M.G.H.

*Kushner, David C.
2nd Year Resident in Radiology
M.G.H.

*Kwan, Theodore H.
1st Year Resident in Dermatopathology
Dermatology
M.G.H.

Kwass, George F., *Pathology* '58
Hale Hospital
Haverhill, Mass. 01830

*Labarca, Pedro
Research Fellow in Medicine
M.G.H.

*LaBella, Louis C.
Podiatrist in Orthopaedic Surgery
M.G.H.

*Lable, Ira, *Psychiatry* '72
Assistant in Psychiatry
5 Emerson Pl., Boston, Mass. 02114

*Ladenson, Paul W.
2nd Year Resident in Medicine
M.G.H.

*Lahey, Philip J.
2nd Year Resident in Orthopaedic Surgery
M.G.H.

*Lake, Alan M.
Clinical & Research Fellow in pediatrics
M.G.H.

Lake, Michael, *Medicine* '24
11 East 68th Street
New York, N.Y. 10021

Lambert, John T., *Medicine* '42
10 Northern Avenue
Bronxville, N.Y. 10708

*Lamkins, Burham E., *Dermatology* '63
Assistant in Dermatology
Parkhurst Medical Building
Beverly, Mass. 01915

*Land, Richard E.
Clinical Associate in Radiology
Director of Radiology
St. Joseph's Hospital
Providence, R.I. 02904

*Landis, Dennis M.
2nd Year Resident in Neurology
M.G.H.

*Landry, Leopold D., jr.
1st Year Resident in Anesthesia
M.G.H.

*Lane, Philip E.
2nd Year Resident in Anesthesia
M.G.H.

Lane-Brown, Malcolm M., *Dermatology* '73
Travelodge Medical Centre
9 Missenden Road, Camperdown
N.S.W. Australia 2050

Lang, David J., *Children's* '61
Duke University
Durham, N.C. 27706

Langer, Glenn A., *Medicine* '60
UCLA Medical Center
Los Angeles, Calif. 90024

Langston, Charles S., *Radiolgoy* '72
Mt. Auburn Hospital
Cambridge, Mass. 02138

*Lapey, Allen
Assistant Pediatrician
M.G.H.

*Lappas, Demetrios G.
Assistant Anesthetist
M.G.H.

*LaQuaglia, Michael P.
1st Year Resident in Surgery
M.G.H.

Laron, Zvi, *Children's* '55
Inst. Pediat. Endocr.
Beilinson Med. Center
Petah Tikva, Israel

*Larson, Carroll B., *Orthopaedics* '38
Honorary Orthopaedic Surgeon
University of Iowa College of Medicine
Iowa City, Iowa 52214

Larson, Ronald R., *Anesthesia* '67
14159 Edgewood Drive
Livonia, Mich. 48154

Lassiter, William E., *Medicine* '56
University of North Carolina
School of Medicine
Chapel Hill, N.C. 27514

*Laster, James M.
Clinical & Research Fellow
(Acting 4th Year Resident in Psychiatry
B.H.H.C.

*Latta, William B.
Assistant Anesthetist
M.G.H.

Lau, Yuk-Kai, *Medicine* '74
Hospital of University of Pennsylvania
Renal Electrolytes Unit
Philadelphia, Pa. 19139

*Lavelle, William G.
Clinical Fellow in Surgery
96 Garland Street
Everett, MA 02149

*Laver, Myron B.
Anesthetist
M.G.H.

*Laverdiere, Donna L.
Graduate Student Assistant in
Psychology (Psyciatry)
M.G.H.

*LaVigne, Gregory L.
2nd Year Resident in Psychiatry
M.G.H.

Lavorgna, John J., *Orthopaedic Surgery* '73
3838 California Street
San Francisco, Calif. 94118

*Lavyne, Michael H.
3rd Year Resident in Neurosurgery
M.G.H.

Lawrence, G. Hugh, *Surgery* '52
St. Vincent Hospital
9025 S.W. Barnes Road
Portland, Oreg. 972

Lawrence, John S., *Medicine* '25
University of California Medical Center
Los Angeles, Calif. 90024

*Lawrence, Michael
Clinical Assistant in Medicine
M.G.H.

*Lawrence, Robert S., *Medicine* '70
Clinical Associate in Medicine
Cambridge Hospital
1493 Cambridge Street
Cambridge, Mass. 02139

*Lawry, George V. II
2nd Year Resident in Medicine
M.G.H.

*Lawson, Dexter W., *Surgery* '69
Clinical Associate in Surgery
North Shore Medical Park
Essex Center Drive
Peabody, Mass. 01960

Layzer, Robert B., *Medicine* '59
24 Heather Way
Mill Valley, Calif. 94941

*Lazar, Gerald K., *Psychiatry* '72
Clinical Assistant in Psychiatry
M.G.H.

*Lazare, Aaron
Psychiatrist
M.G.H.

Leach, Charles A., Jr., *Children's* '51
525 Southfield Road
Birmingham, Mich. 48009

Leadbetter, Guy W., Jr., *Urology* '59
Vermont Medical Center
Burlington, Vt. 05401

*Leaf, Alexander, *Medicine* '44
Chief of Medical Services
M.G.H.

Leake, Donald L., *Oral Surgery* '64
Harbor General Hospital
1000 W. Carson St.
Torrance, Calif. 90509

Leake, Rosemary D., *Children's*
Harbor General Hospital
1000 W. Carson St.
Torrance, Calif. 90509

Leape, Lucian, L., Jr., *Surgery* '65
N.E.M.C.H.

Learmonth, Susanne J.
Children's '53
Anesthesia '59
Division of Anesthesia
V.A. Hospital, White River Junction, Vt. 05001

*Leber, Martin E.
Clinical Associate on the Children's Service
588 Walnut Street
Newtonville, Mass. 02160

*Lebowitz, Philip W.
3rd Year Resident in Anesthesia
M.G.H.

Ledbetter, Betsy A., *Anesthesia* '55
712 Monrovia Street
Shreveport, La. 71106

Lederman, Richard J., *Neurology* '73
Cleveland Clinic
Cleveland, Ohio 44106

LeDonne, John E., *Dermatology* '52
11 Electric Avenue
Fitchburg, Mass. 01420

Lee, Ching-Muh, *Anesthesia* '72
30031 Matisse Drive
Rancho Palos Verdes, Calif. 90274

*Lee, Loretta D.
Assistant in Biochemistry (Dermatology)
M.G.H.

*Lee, Sherwood, B.
123 Brockton Avenue
Haverhill, Mass. 01830

*Lee, Yhu-Hsiung
Assistant Pediatrician
B.C.H.

Leeds, Harold C., *Orthopaedics* '76
120 Millburn Avenue
Millburn, N.J. 07041

Leeman, Cavin P., *Medicine* '60
25 Evergreen Street
Framingham, Mass. 01701

Leeper, Roy W., *Dermatology* '50
Kaiser Foundation Hospital
Oakland, Calif. 94611

*Lees, Robert S., *Surgery* '60, *Medicine* '62
Assistant in Medicine
Arteriosclerosis Center, M.I.T.

*Leet, Robert K.
Clinical Associate in Medicine
B.H.H.C.

*Leffert, Robert D.
Visiting Orthopaedic Surgeon
M.G.H.

Lefkowitz, Robert J., *Medicine* '71
Duke University
School of Medicine
Durham, N.C. 27710

Lehman, Ralph A.W., *Surgery* '64
673 St. Paul
Denver, Colo. 80206

*Lehrich, James R., *Medicine* '64, *Neurology* '69
Associate Neurologist
M.G.H.

*Lehrman, Sandra N.
2nd Year Resident on
the Children's Service
M.G.H.

*Leibel, Rudolph L., *Children's* '69
Associate Pediatrician
Cambridge Hospital
1493 Cambridge Street
Cambrdige, Mass. 02139

Leiderman, P. Herbert, *Psychiatry* '57
Stanford University School of Medicine
Palo Alto, Calif. 94304

Leidholt, John D., *Orthopaedics* '52
2045 Franklin Street
Denver, Colo. 80205

Leigh, A. Denis, *Psychiatry* '48
The Maudsley Hospital
Denmark Hill
London, S.E. 5, England

Leighton, Joseph, *Pathology* '49
The Medical College of Pennsylvania
3300 Henry Avenue
Philadelphia, Pa. 19129

*Leinbach, Robert C.
Assistant Physician
M.G.H.

Leister, C. Merrill, *Children's* '34
1713 W. Broad Street
Bethlehem, Pa. 18018

*Leland, Katherine A.
Clinical Associate in Pediatrics
140 Yarmouth Street
Hyannis, Mass. 02601

Lell, William A., *Anesthesia* '72
2920 Fairway Drive
Mountain Brook, Ala. 35223

*LeMay, Marjorie J.
Radiologist
M.G.H.

Leonard, Lawrence M., *Orthopaedics* '61
7 Bramhall Street
Portland, Maine 04102

*Lerman, Jacob
Senior Physician
Zero Emerson Place
Boston, Mass. 02114

*Lerner, Norma B.
3rd Year Resident on the Children's Service
M.G.H.

Leslie, Bruce R., *Medicine* '74
P.B.B.H.

*Lessing, Mark E.
Podiatrist in Orthopaedic Surgery
M.G.H.

Letsou, Vasilios G., *Dermatology* '56
170 Merrimack Street
Lowell, Mass. 01852

*Letvin, Norman L.
3rd Year Resident in Medicine
M.G.H.

Levene, Martin B., *Radiology* '54
Joint Center for Radiation Therapy
50 Binney St., Boston, Mass. 02115

*Lever, Walter F., *Dermatology* '38
Honorary Dermatologist
171 Harrison Avenue
Boston, Mass. 02111

Levey, Gerald S., *Medicine* '66
5226 S.W. 64 Avenue
Miami, Fla. 33155

Levin, Victor A., *Neurology* '71
UCFS Medical Center
San Francisco, Calif. 94143

*Levine, Barry W.
Assistant in Medicine
M.G.H.

*Levine, David N., *Neurology* '74
Assistant in Neurology
M.G.H.

*Levine, Frederick H.
Assistant in Surgery
M.G.H.

Levine, Herbert J., *Medicine* '58
171 Harrison Avenue
Boston, Mass. 02111

*Levine, Herbert O.
Assistant Psychiatrist
379 Central Street
Auburndale, Mass. 02166

Levine, Joel B., *Medicine* '74
Gastrointestinal Unit
University of Connecticut
Health Center
School of Medicine
Farmington, Conn. 06032

*Levine, Melvyn B., *Children's* '70
Assistant in Pediatrics
116 Forest Street
Medford, Mass. 02155

*Levine, Robert A., *Neurology* '76
Clinical Assistant in Neurology
M.E.E.I.

Levis, William R., *Dermatology* '70
National Institutes of Health
Bethesda, Md. 20014

*Levisohn, Steven R.
Assistant in Medicine
M.G.H.

*Levy, Bernard S.
Associate Psychiatrist
227 Babcock Street
Brookline, Mass. 02146

*Levy, Harvey L.
Assistant in Neurology
M.G.H.

Levy, Ronald, *Medicine* '70
Immunology Lab., N.C.I.
National Institutes of Health
Bethesda, Md. 20014

Levy, S. William, *Dermatology* '51
450 Sutter Street
San Francisco, Calif. 94108

Lew Michael A., *Medical* '74
Sidney Farber Cancer Institute
Boston, Mass. 02115

*Lew, Robert A.
Assistant in Biostatistics (Dermatology)
M.G.H.

Lewis, Allen A., *Orthopaedics* '68
1820 South Tuttle Avenue
Sarasota, Fla. 33580

Lewis, Emory O., *Radiology* '45
St. Luke's Hospital
New Bedford, Mass. 02740

Lewis James, *Medicine* '35, *Children's* ' 36
96 Williams St.
Longmeadow, Mass. 01106

Lewis, Joseph L., *Children's* '37
25 Grant Street
Waltham, Mass. 02154

*Lewis, Michael B., *Surgery* '71
Assistant Surgeon
S.B.I.

Lewis, Richard B.
4th Year Resident in Surgery
M.G.H.

*Liberfarb, Ruth M.
Clinical & Research Fellow in Pediatrics
M.G.H.

*Liberthson, Richard
Assistant Pediatrician
Assistant in Medicine
M.G.H.

Licciardello, Anthony T., *Medicine* '49
2875 Main Street
Stratford, Conn. 06497

*Lichtenstein, Norman S.
Assistant Physician
M.G.H.

Lieber, Michael M., *Surgery* '72
c/o Bernard Ljeher
520 N. Montaque
Arlington, Va. 22203

*liland, Astrid E., *Anesthesia* '74
Clinical Fellow in Anesthesia
M.G.H.

*Lillehei, Craig W.
1st Year Resident in Surgery
M.G.H.

Limkakeng, Alexander D., *Urology* '72
Hillcrest Medical Center
Grove City, Penna. 16127

Lincoln, James R., *Orthopaedics* '18
709 Main Street, Wareham, Mass. 02571

*Lincoln, Robert C., *Denistry* '53
Associate Visiting Oral Surgeon
M.G.H.

*Linder, Scott Van, *Surgery* '73
3rd Year Resident in Orthopaedic Surgery
M.G.H.

Linenthal, Arthur J., *Medicine* '44
1200 Centre Street
Roslindale, Mass. 02131

*Ling, Ching C.
Assistant Radiation Biophysicist
in Radiation Medicine
M.G.H.

*Lingeman, Avis J.
Assistant Pathologist
M.G.H.

*Linggood, Rita M.
Clinical Fellow in Radiation Medicine
M.G.H.

Lingley, James R., *Radiology* '31
27 Elm Street, Worcester, Mass. 01608

*Link, David A.
Chief Resident of the Children's Service
M.G.H.

*Link, Jennifer L.
2nd Year Resident in Medicine
M.G.H.

*Linsenmayer, Thomas F.
Assistant in Biology (Medicine)
M.G.H.

*Linton, Robert R., *Surgery* '30
Senior Surgeon
1180 Beacon Street
Brookline, Mass. 02146

*Lipinski, Joseph F., *Psychiatry* '70
Assistant in Psychiatry
M.G.H.

Lipman, Marvin M., *Medicine* '59
Scarsdale Medical Center
Scarsdale, N.Y. 10585

Lipowski, Zbigniew J., *Psychiatry* '59
Dartmouth Medical School
Hanover, N.H. 03755

*Lippiello, Louis
Assistant in Biochemistry
(Orthopaedic Surgery)
M.G.H.

Lipson, Lewis C.
National Heart & lung Institute
National Institute of Health
Bethesda, M.D. 20014

*Lipson, Loren G.
Clinical Assistant in Medicine
M.G.H.

*Lipson, Manuel J.
Clinical Associate in medicine
Massachusetts Rehabilitation Hospital
125 Nashua Street,
Boston, Mass. 02114

*Lipson, Stephen J., *Surgery* '74
3rd Year Resident in Orthopaedic Surgery
M.G.H.

Liss, Robert A., *Medicine* '69
Heart Disease Control Program
1600 Clifton Street,
Atlanta, Ga. 30333

*Liteplo, Merrill G.
Clinical Associate in Dermatology
403 Commonwealth Avenue
Boston, Mass. 02215

*Little, John B., *Radiology* '61
Consultant in Radiology
H.S.P.H.

Littlefield, John W., *Medicine* '50
John Hopkins Hospital
601 N. Broadway
Baltimore, Md. 21205

*Littlehale, Robert F., *Anesthesia* '74
Clinical Associate in Anesthesia
Mt. Auburn Hospital
Cambridge, Mass. 02138

*Littman, David
Honorary Physician
V.A.H. (W.R.)

Littman, Philip *Radiation Medicine* '74
University of Pennsylvania Hospital
Philadelphia, Penn. 19104

Litwin, S. Bertrand, *Surgery* '66
Milwaukee Childrens Hospital
1700 W. Wisconsin Ave.
Milwaukee, Wis. 53233

*Liu, Letty M.
Assistant in Anesthesia
M.G.H.

*Liu, Philip
Assistant in Anesthesia
M.G.H.

Livesay, Richard W., *Radiology* '70
1688 East Main Street
El Cajon, Calif. 92021

*Llewellyn, Henry J.
Associate Radiologist
M.G.H.

Lloyd, John B., *Surgery* '46
L.S.H.

*Lo, Hing-Har
3rd Year Resident in Radiology
M.G.H.

Locksley, Herbert B., *Surgery* '50
Neurosurgery '56
University Hospitals
Iowa City, Iowa 52241

Loeb, John N., *Medicine* '62
Presbyterian Hospital
New York, N.Y. 10032

Loeb, Robert F., *Medicine* '20
950 Park Ave.
New York, N.Y. 10028

Loftus, James G., *Anesthesia* '70
Muymount
Ballina, Co. Mayo
Ireland

Logue, Patrick Jr., *Orthopaedics* '67
1201 S. Highland Ave.
Clearwater, Fla. 33515

Lombrosso, Cesare T., *Neurology* '55
C.H.M.C.

*Long, John A.
3rd Year Resident in Radiology
M.G.H.

Long, John C., *Pathology* '73
Assistant in Pathology
M.G.H.

*Long, Michael C., *Anesthesia* '75
Assistant in Anesthesia
M.G.H.

Lookingbill, Donald P., *Dermatology* '75
Milton Hershey Medical Center
Hersey, Pa. 17033

Loomis, James C., *Anesthesia* '75
U.S. Public Health Service
77 Warren Street
Brighton, Mass. 02135

Lopano, Angelo, J., *Orthopaedic Surgery* '73
279 Third Avenue
Long Branch, N.J. 07740

*Lorch, Stephen
Assistant in Mathematics, Psychiatry
R.I. Health Services Research
56 Pine Street
Providence, R.I. 02903

*Lorefice, Laurence S.
2nd Year Resident in Psychiatry
M.G.H.

*Lorenz, Maria
Associate Psychiatrist
M.G.H.

*Lorman, Constance E.
Clinical Fellow in Psychology (Psychiatry)
M.G.H.

Los, Edward J., *Anesthesia* '61
St. Luke's Hospital
New York, N.Y. 10025

*Lott, Ira T., *Children's* '69
Assistant Neurologist
Assistant Pediatrician
M.G.H.

Lotz, Myron, *Medicine* '60
301 Maple W #A-3
Vienna, Va. 22180

Love, Harry M.P., *Orthopaedic Surgery* '73
Winchester Hospital
41 Highland Avenue
Winchester, Mass. 01890

*Lovett, Michael A.
2nd Year Resident in Medicine
M.G.H.

Lowe, Charles U., *Children's* '48
Building 31
National Institute of Child Health
and Human Department
National Institute of Health
Bethesda, Md. 20014

*Lowe, Robert, *Surgery* '76
Clinical & Research Fellow in Surgery
3 Tremona Court Flats
Tremona Road
Shirley, Southampton
England

*Lowell, Francis C.
Physician
M.G.H.

*Lowell, Drennan, *Orthopaedics* '53
Honorary Orthopaedic Surgeon
P.B.B.H.

Lowell, William H., Jr., *Medicine* '40
Collamer Circle, Shelburne, Vt. 05482

*Lowenstein, Edward, *Anesthesia* '62
Anesthetist
M.G.H.

Lowis, Samuel, *Neurosurgery* '40
475 Commonwealth Ave.
Boston, Mass. 02215

Lozada, Rommel G., *Anesthesia* '73
St. Peters Hospital
315 St. Manning Boulevard
Albany, N.Y. 12208

Luck, David J.L., *Medicine* '73
Rockefeller Institute for Medical Research
66th and York Ave.
New York, N.Y. 10021

Ludwig, Alfred O., *Medicine* '36
2 W. Cedar St., Boston, Mass. 02108

Luessenhop, Alfred J., *Neurosurgery* '57
Georgetown University Hospital
Washington, D.C. 20007

Luikart, Ralph H., *Surgery* '17
5406 Izard St.,
Omaha, Nebr. 68132

Luikart, Ralph H. II, *Medicine* '44
Dermatology '48
1532 Anacapa St.
Santa Barbara, Calif. 93101

*Lundy, Nancy A.
Clinical Fellow in Psychology (Psychiatry)
B.H.H.C.

Luongo, Michael A., *Pathology* '47
90 Allandale Rd.
Jamaica Plain, Mass. 02130

Lupien, Gordon F., *Orthopaedics* '63
110 Francis St.
Boston, Mass. 02215

Lurie, Arthur S., *Dermatology* '59
363 Lowell St. Peabody, Mass. 01960

Lynch, Phillip I., *Pathology* '73
R.D. #2
Mayville, N.Y. 14757

*Lytle, Bruce W., *Surgery* '75
Chief Resident in Surgery
M.G.H.

*Maybrey, Roy E.
Consultant in Surgery
264 Beacon Street
Boston, Mass. 02116

*MacAusland, William R., Jr.
Associate Orthopaedic Surgeon
412 Beacon St., Boston, Mass. 02115

*Maccabee, Paul J.
Clinical & Research Fellow in Neurology
M.G.H.

*MacDonald, Alexander, S., Jr.
Clinical Associate in Pediatrics
Herrick St., Beverly, Mass. 01915

*MacDonald, Martha J.
3rd Year Resident on the Children's Service
M.G.H.

MacDougal, Bruce A., *Surgery* '72
3 Sea Cove Road
Cumberland Foreside, ME 04110

Mach, Bernard F., *Medicine* '60
Athenee Street 4, Geneva, Switzerland

Mack, John E., *Medicine* '56
Cambridge Hospital
Cambridge, MA 02139

*Mackay, Harry A.
Assistant Psychologist, Neurology
W.E. Fernald State School
200 Trapelo Road
Waltham, Mass. 02154

*Mackay, Malcolm
Engineer in Radiology
M.G.H.

Mackie, Robert W., *Neurosurgery* '54
Mary Imogene Bassett Hospital
Cooperstown, N.Y. 13326

*Macknight, Anthony D.C.
Visiting Fellow in Medicine
M.G.H.

*Macknin, Michael L.
2nd Year Resident on the Children's Service
M.G.H.

*MacLaughlin, David T.
Research Fellow in Gynecology
M.G.H.

Macmillan, Alexander S., Jr., *Radiology* '53
319 Longwood Ave., Boston, Mass. 02215

MacMillan, Hugh A., Jr., *Surgery* '47
1955 Pennsylvannia Suite 407
Dinver, Colo. 80203

Macomber, Donald, *Surgery* '11
Tide River Farm, Route 2
Brunswick, Maine 04011

Madden, Edwin J., *Orthopaedics* '60
166 Tollgate Road, Warwick, R.I. 02886

Madden, John W., *Surgery* '65
Hand Surgery, Ltd.
Academy Medical Center, Suite 302
310 North Wilmot Road
Tucson, Ariz. 85710

Madey, Stephen L., *Children's* '44
5227 Government
Baton Rouge, Louisinan 70806

Maffeo, Alphonse A., *Anesthesia* '75
Department of Anesthesia
U.S. Naval Hospital
Beufort, S.C. 29902

*Magarian, Howard S.
1st Year Resident (Intern) on
the Children's Service
M.G.H.

*Mahaffey, Jane E.
Clinical Assistant in Medicine
M.G.H.

Maier, John, *Medicine* '40
The Rockefeller Foundation
111 West 50th Street
New York, N.Y. 10020

*Maier, Ward R., *Anesthesia* '73
Clinical Associate in Anesthesia
M.G.H.

Majerus, Philip W., *Medicine* '63
Washington University
Department of Medicine
St. Louis, Mo. 63110

*Majzoub, Joseph A.
Clinical & Research Fellow in Medicine
M.G.H.

Makel, Harry P., *Anesthesia* '49
2209 Webster Street
San Francisco, Calif. 94115

Maki, Dennis G., *Medicine* '72
University of Wisconsin Medical School
484 Medical Sciences Building
Madison, Wisconsin 53706

*Malamud, Daniel F.
Associate Biologist, Surgery
S.B.I.

*Malamud, Michael H.
Clinical Associate in Psychiatry
215 Summer Street
Haverhill, Mass. 01830

Malcolm, John A., *Surgery* '58
1180 Beacon Street
Brookline, Mass. 02146

Malkin, Richard B., *Surgery* '69
2631 Puritan Terrace
Sarasota, Fla. 33579

Mallette, Lawrence E., *Medicine* '72
Assistant Professor of Medicine
Baylor College of Medicine
Houston, Texas 77025

Malloy, Joseph K., *Surgery* '47
120 W. Ravine Road
Kingsport, Tenn. 37660

*Maloney, Randolph D.
Clinical Associate in Surgery
Parkhurst Medical Building,
Beverly, Mass. 01915

*Maloof, Farahe, *Medicine* '52
Physician
M.G.H.

Malouf, Jamil, *Anesthesia* '73
117 Norwell Avenue
Norwell, Mass. 02060

*Malt, Ronald A., *Surgery* '62
Visiting Surgeon
Cohasset, Mass. 02025

*Maltz, David L.
Clinical Associate in Pediatrics
152 King Street
Cohasset, Mass. 02025

*Manalan, Steven A.
2nd Year Resident in Orthopaedic Surgery
M.G.H.

Mancall, Elliott L., *Pathology* '57
230 N. Broad Street
Philadelphia, Pa. 19102

Mancini, Eduardo, *Anesthesia* '72
M.E.E.I.

*Mandel, Michel R.
Associate Psychiatrist
L.M.H.C.

Mangoni, Alfonso, *Psychiatry* '60
Clinica Psichiatrica dell
Universita di Milano, Via-B sta, 1
Milano-Affori, Italy

*Mankin, Henry J.
Chief of Orthopaedic Surgery
M.G.H.

Manly, Isaac, V., *Surgery* '52
1300 St. Mary's Street, Raleigh N.C. 27605

*Mann, Robert W.
Consultant in Engineering Science,
Orthopaedic Surgery
M.I.T., Room 3449

*Mann, Walter
Associate Psychiatrist
Zero Emerson Place
Boston, Mass. 02114

Mannik, John A., *Surgery* '60
B.U.H.

Mannik, Mart, *Medicine* '61
University of Washington
Dept. of Medicine
Seattle, Washington 98195

*Manschreck, Theo C., *Psychiatry* '75
Clinical Assistant in Psychiatry
M.G.H.

Mansky, Peter A., *Psychiatry* '75
3409 Farmington Road
Lexington, Ky. 40507

Manson, James G., *Orthopaedics* '63
51 Brattle Street
Cambridge, Mass. 02138

Marble, Alexander, *Medicine* '30
15 Joslin Road, Boston, Mass. 02215

Marcus, Donald H., *Anesthesia* '76
1745 Camino Palmero
Hollywood, Calif. 90046

Marcy, S. Michael, *Children's* '63
509 Hillgreen Drive
Beverly Hills, Calif. 90212

Marenchic, Michael G., *Children's* '76
15 Jones Terrace
Stoughton, Mass. 02072

*Margolies, Michael N., *Surgery* '69
Assistant Surgeon
M.G.H.

*Margrabia, Miriam G.
Assistant in Radiation Biophysics
M.G.H.

Marier, Robert L., *Medicine* '71
10 Pawson Landing
Branford, Conn. 06405

*Mark, Eugene J., *Pathology* '72
Assistant Pathologist
M.G.H.

*Mark, Vernon H., *Neurosurgery* '54
Clinical Associate, Neurosurgery
B.C.H.

Markland, A. Colin, *Urology* '62
412 Union Street, S.E.
Minneapolis, Minn. 55414

*Marks, George A., *Surgery* '34
Consultant in Surgery
15 Dix Street
Winchester, Mass. 01890

Marmor, Jane B., *Medicine* '71
937 Lathrop Place
Stanford, Calif. 94305

Maroney, John W., *Children's* '32
1205 Delaware Avenue
Wilmington, Del. 19805

*Marotta, Charles A., *Psychiatry* '75
Assistant in Neurochemistry (Psychiatry)
M.G.H.

Marshall, Clyde S., *Neurology* '75
1779 Beech Street
Halifax,
Nova Scotia B3H 4B7

Marshall, Fray F., *Urology* '75
Brady Urological Institute
Johns Hopkins Hospital
Baltimore, Md. 21205

Marsland, David W., *Children's* '70
320 Parkway Drive
Newport News, Va. 23606

Martin, Albert R., *Medicine* '69
Harvard Community Health Plan
690 Beacon Street
Boston, Mass. 02215

Martin, Charles L., *Radiology* '20
3501 Gaston Avenue
Dallas, Texas 75246

*Martin, Donald B., *Medicine* '59
Physician
M.G.H.

Martin, James A., *Surgery* '46, *Radiology* '51
3501 Gaston Avenue
Dallas, Texas 75246

*Martin, Raymond S., III
1st Year Resident in Surgery
M.G.H.

*Martino, Joseph A.
Clinical Associate in Medicine
M.G.H.

*Martuza, Robert L., *Surgery* '74
2nd Year Resident in Neurosurgery
M.G.H.

*Martyn, J.A. Jeevendra
Assistant in Anesthesia
S.B.I.

Maruyama, Yosh, *Radiology* '61
Radiation Medicine Department
University of Kentucky Medical Center
Lexington, Ky. 40506

Marx, Stephen J., *Medicine* '70
Nat'l Inst. of Arthritis & Metabolic Dis.
NIH
Bethesda, Md. 20014

*Masland, Richard H.
Associate Neurophysiologist in Neurosurgery
M.G.H.

Mason, Earle D., *Medicine* '46
11600 Wilshire Blvd.
Los Angeles, Calif. 90025

*Mason, Edward A.
Assistant Psychiatrist
33 Fenwood Road
Boston, Mass. 02115

Mason, John W., *Pathology* '69
Berkshire Medical Center
Pittsfield, Mass. 01201

Mason, William, *Medicine* '21
Box 242
Adamsville, R.I. 02801

Mass, Lawrence D.
2nd Year Resident in Anesthesia
M.G.H.

Massie, William K., *Pathology* '38
333Waller Avenue
Lexington, KY 40504

*Masters, Colin L.
Research Fellow in Neuropathology
(Pathology) M.G.H.

*Masters, Richard
Assistant Dermatologist
Zero Emerson Pl., Boston, Mass. 02114

Matchett, Foster, L., *Orthopaedics* '34
1830 Williams Street
Denver, Colo. 80218

Mathe, Aleksander, *Psychiatry* '63
Boston U. School of Medicine
80 E. Concord, St., Boston, Mass. 02118

*Mathewson, Herbert O., *Children's* '72
Assistant in Pediatrics
140 Yarmouth Street
Hyannis, Mass. 02601

*Mathieu, Alix, *Anesthesia* '68
Associate Anesthetist
M.G.H.

Mathieu, Thomas J., *Urology* '54
1120 W. Spruce Street
Yakima, Wash. 98902

*Mathis, Richard K.
Assistant in Pediatrics
S.B.I.

Mathis, William, H., Jr., *Radiology* '48
Kennestone Hospital
Marietta, Ga. 30061

*Mathisen, Douglas J.
3rd Year Resident in Surgery
M.G.H.

*Matsueda, Gary R.
Research Fellow in Medicine
M.G.H.

*Masuno, Takeo
Research Fellow in Pathology
M.G.H.

Matta, Raymond J., *Medicine* '71
Dept. of Cardiology, Mt. Sinai Hospital
100th Street & 5th Avenue
New York, N.Y. 10029

*Matthysse, Steven W.
Assistant Psychobiologist in Psychiatry
M.G.H.

Mattoso, Luiz F. de Q., *Radiology* '65
Rua Bambina 56, 1° Andar
Botafogo 20000
Rio DeJaneiro, Brasil

Maughs, Sydney B., *Psychiatry* '38
100 North Euclid, Suite 310
St. Louis, Mo. 63108

*Maxwell, Samuel L.
2nd Year Resident in Radiology
M.G.H.

May, George A., Jr., *Surgery* '67
2000 Washington St.
Newton, Mass. 02161

May, Harold L., *Surgery* '59
P.O. Box 2213-B, Port Au Prince
Haiti, West Indies

*May, James W., Jr., *Surgery* '75
Assistant in Surgery
S.B.I.

*May, Lawrence A.
3rd Year Resident in Medicine
M.G.H.

*May, Roger J.
3rd Year Resident in Medicine
M.G.H.

Mayer, Richard F., *Neurology* '57
University Hospital
Department of Neurology
Baltimore, Md. 21201

Mayman, Chaim I., *Neurology* '61
B.I.H.

*Maynard, Edwin, P. III
Physician
M.G.H.

*Mayo, Clara
Associate Psychologist, Psychiatry
Boston University
Psychology Dept.
Boston, Mass. 02215

Mayo, Frederick B., *Medicine* '44
144 Beach Bluff Ave.
Swampscott, Mass. 01907

Mayo, Richard A., *Orthopaedics* '56
South Shore Medical Clinic
Washington St., Norwell, Mass. 02061

*Mazer, Milton
Assistant Psychiatrist
Martha's Vineyard Mental Health Center
Main Street
Edgartown, Mass. 02539

*Mazur, John M.
3rd Year Resident in Orthopaedic Surgery
M.G.H.

Mazuzan, John E., Jr., *Anesthesia* '59
Mary Fletcher Hospital
Burlington, Vt. 05401

McAlpine, Frederick S., *Anesthesia* '57
605 Commonwealth Ave.
Boston, Mass. 02215

McArdle, Richard B., *Urology* '75
P.B.B.H.

*McArthur, Janet W., *Medicine* '44
Associate Gynecologist
M.G.H.

*McCabe, Charles J.
3rd Year Resident in Surgery
M.G.H.

McCann, Samuel M., *Medicine* '50
7025 Hillgreen Drive
Dallas, Texas 75214

*McCarthy, Philip L.
Assistant in Dermatology
36 Adams St., Quincy, Mass. 02169

*McChesney, James D.
2nd Year Resident in Radiology
M.G.H.

McClellan, Betty J., *Pathology* '60
University of Oklahoma Medical Center
800 N.E. 13th St.
Oklahoma City, Okla. 73104

*McCluer, Robert H.
Associate Biochemist (Neurology)
Fernald State School
200 Trapelo Road, Waltham, Mass. 02154

McClung, John L., *Anesthesia* '52
5522 Tolman Terrace
Madison, Wis. 53711

*McCluskey, Robert T.
Chief, Department of Pathology
M.G.H.

McCollum, Richard G., *Orthopaedics* '67
Orthopaedic Physicians, Inc.
801 Broadway, Suite 209
Seattle, Washington 98122

*McCormack, Geraldine A., *Children's* '70
Clinical Associate in Pediatrics
24 Porter Street
Melrose, Mass. 02176

McCormack, William M., *Medicine* '69
B.C.H.

*McCormick, Mark G.
3rd Year Resident in Psychiatry
M.G.H.

McCort, James J., *Radiology* '44
Santa Clara County Hospital
San Jose, Calif. 95128

*McCourt, William F.
Assistant in Psychiatry
V.A. Hospital
17 Court Street
Boston, Mass. 02108

McCoy, William T., *Radiology* '60
19 Avenel Gardens Road
Medindie, South Australia

McCullough, David L., *Urology* '72
University of South Alabama Medical Center
Mobile, Ala. 36617

*McCullough, Willie D.
Research Fellow in Surgery
S.B.I.

*McCully, Kilmer S., *Medicine* '60
Associate Pathologist
M.G.H.

McCune, William S., *Surgery* '37
U.S. V.A. Hospital
Batavia, NY 14020

McDaniel, John R., *Surgery* '46
902 Edmond Street
St. Joseph, Mo. 64502

*McDermott, John
Clinical & Research Fellow in Medicine
M.G.H.

*McDermott, William V., Jr., *Surgery* '50
Consultant in Surgery
N.E.D.H.

McDonald, William, *Anesthesia* '63
Box 734
Niagra Falls, N.Y. 14302

*McEnany, M. Terry, *Surgery* '72
Assistant Surgeon
M.G.H.

*McFarland, James C., *Medicine* '69
Clinical Associate in Medicine
Cambridge Hospital
Cambridge, Mass. 02139

McFarland, Robert B., *Pathology* '59
2660 13th Street
Boulder, Colo. 80302

McFarlane, Ann D., *Pathology* '73
7507 Brookville Rd.
Chevy Chase, Md. 20015

McGann, Robert C., *Surgery* '73
c/o Dr. R.J. McGann
1613 Willemore
Springfield, Illinois 62705

McGinty, John B., *Orthopaedics* '60
2000 Washington St.
Newton Lower Falls, Mass. 02162

McGovern, Thomas P.
Cornell Program
New York Hospital
New York, N.Y. 10021

*McGrath, Edward F.
Clinical Associate in Pediatrics
480 Adams St., Milton, Mass. 02186

McGuffin, William L., Jr., *Medicine* '62
Division of Nephrology
University of Alabama in Birmingham
Birmingham, Ala. 35297

*McGugan, A. David, *Dermatology* '61
Assistant in Dermatology
1260 Furnace Brook Parkway
Quincy, Mass. 02169

*McIlduff, Joseph B.
Clinical & Research Fellow in Surgery
M.G.H.

McIlroy, William J., *Pathology* '60
Ste. #401, Toronto Western Med. Bldg.
25 Leonard Avenue
Toronto, Ontario M5T2R2, Canada

McIntyre, Patricia A., *Medicine* '53
Department of Radiological Science
The Johns Hopkins Medical Institutions
615 North Wolfe St.
Baltimore, Md. 21205

McIver, Monroe, A., *Surgery* '22
12 Main St.,
Cooperstown, N.Y. 13326

McKeever, Francis M., *Orthopaedics* '30
2012 Wilshire Blvd.
Los Angeles, Calif. 90057

McKenna, Paul, *Dermatology* '66
136 Harrison Ave.,
Boston, Mass. 02111

McKhann, Charles F., *Surgery* '64
Department of Surgery
University of Minnesota Hospital
Minneapolis, Minn. 55455

*McKittrick, John B., *Anesthesia* '38
Surgery '42
Clinical Associate, Surgery
110 Francis St., Boston, Mass. 02215

*McKittrick, Leland S.
Consultant in Surgery
RFD No. 1, Box 280
Jaffrey, N. Hampshire 03452

*McKusick, Kenneth A.
Associate Radiologist
M.G.H.

McLaughlin, Ambrose P. III
P.B.B.H.

McLaughlin, William B., *Orthopaedics* '31
6050 Jenkins Arcade
Pittsburgh, Pa. 15222

*McLean, David I.
Research Fellow in Dermatology
M.G.H.

*McLean, John D.
Chief of Podiatry, Orthopaedic Surgery
38 Church Street
Winchester, Mass. 01890

*McLoud, Theresa C.
Assistant Radiologist
M.G.H.

*McManama, George B.
1st Year Resident in Orthopaedic Surgery
M.G.H.

*McMeekin, Thomas O.
1st Year Resident in Dermatology
M.G.H.

McMillan, Robert M., *Medicine* '41
140 S. W. Broad St.
Southern Pines, N.C. 28387

*McNeely, William F.
Assistant Physician
Zero Emerson Pl.,
Boston, Mass. 02114

McNeil, Barbara J., *Children's* '67
P.B.B.H.

McNie, Allan B., *Pathology* '57
353 30th St.,
Oakland, Calif. 94609

McNutt, Neil S., *Pathology* '70
U.S. Veterans Hospital
4150 Clement Street
San Francisco, Calif. 94121

McPeak, Clarence N., *Radiology* '29
Henry Heywood Memorial Hospital
Gardner, Mass. 01441

*McPhee Gerard M.
1st Year Resident in Radiation Medicine
M.G.H.

*McPeek, Bucknam, *Anesthesia* '62
Anesthetist
M.G.H.

McPhedran, Alexander M., *Neurology* '62
Tallwood Road, RFD #1
Readfield, Maine 04355

Mead, Sedgewick, *Medicine* '40
Pathology '41, *Neurology* '42
1530 Arlington Blvd.
El Cerrito, Calif. 94530

Mealey, John J., *Neurosurgery* '60
Indiana University Medical Center
Indianapolis, Ind. 46207

Means, Paul H., *Medicine* '24
5270 Los Poblanos Drive
Albuquerque, N.M. 87107

Meath, James A., *Neurology* '47
P.O. Box 157
Dublin, N.H. 03444

*Medrek, Theodore F.
Assistant Bacteriologist
M.G.H.

Meigs, J. Wister, *Medicine* '43
30 College Street
New Haven, Conn. 06510

Meister, Lester, *Children's* '37
8212 Deerfield
Huntington Beach, Calif. 92646

Miestrell, Michael L., *Surgery* '76
Permanente Medical Group
1526 North Edgemont Street
Los Angeles, Calif. 90027

Mellinger, George W., *Medicine* '47
311 California Street
San Francisco, Calif. 94104

*Melski, John W.
Clinical Fellow (Acting 1st Year Resident) in Dermatology
M.G.H.

Meltzer, Monte S., *Pediatrics* '51
National Institutes of Health
Bethesda, Md. 20014

Melvin, William J.S., *Orthopaedics* '51
40 Guildcrest Drive
Scarborough, Ontario, Canada M1E-1E4

Mendelsohn, George E., *Neurosurgery* '74
5505 Delmar Boulevard
St. Louis, Missouri 63139

Mendelsohn, Mortimer L., *Medicine* '49
4601 Almond Circle
Livermore, Calif. 94550

*Mendiondo, Oscar A.
Chief Resident in Radiation Medicine
M.G.H.

*Ment, Laura R., *Children's* '76
1st Year In Neurology
M.G.H.

Merino-de Villasante, Jorge M., *Radiology* '74
St. Joseph's Hospital
Lowell, MA 01854

*Merk, Linda P.
Assistant in Immunology (Neurosurgery)
M.G.H.

Merminod, Andre E., *Neurology* '73
Sherbrooke Medical Center
Sherbrooke, Quebec, Canada

*Merowitz, Martin
Clinical Associate in Psychiatry
M.G.H.

Merrill, Bruce R., *Paychiatry* '41
P.O. Box 862
Belvedere, Calif. 94920

*Merrill, Edward W.
Consultant in Chemical Engineering,
Children's Service
M.I.T.

Mesaros, Marie A., *Anesthesia* '70
Yale New Haven Hospital
New Haven, Conn. 06504

*Messner, Edward
Associate Psychiatrist
Zero Emerson Pl., Boston, Mass. 02114

Metcalf, Kenneth M., *Children's* '25
133 E. 73rd Street, New York, N.Y. 10021

Mettler, Fred A., *Radiology* '76
Hospital of the University of Penn.
3400 Spruce Street
Philadelphia, Penn. 10104

Meyer, Harold I., *Surgery* '25
434 Arlington Place,
Chicago, Ill. 60614

*Meyer, Robert M.
3rd Year Resident on the Children's Service
M.G.H.

*Michaels, Howard B.
Research Fellow in Radiation Medicine
M.G.H.

Michael, Albert J.D., *Anesthesia* '50
28, Cours Aristide-Briand
Lyon (4e), France

Micheli, Lyle J., *Orthopaedic Surgery* '71
C.H.M.C.

*Michelsen, Jost J., *Neurosurgery* '38
Senior Neurosurgeon
P.O. Box 148, Back Bay Annex
Boston, Mass. 02117

Michie, Alexander J., *Pathology* '43
Urology '45
175 East Brown Street
East Stroudsburg, Pa. 18301

Michie, Catherine R., *Pathology* '44
504 Thomas Street
Stroudsburg, Pa. 18360

*Mickey, John V.
2nd Year Resident in Medicine
M.G.H.

Middlebrook, Gardner, *Medicine* '45
University of Maryland
School of Medicine
Baltimore, Md. 21201

Middleton, Anthony W., Jr., *Urology* '73
2521 Evening Star Drive
Salt Lake City, Utah 84117

*Mignone, Robert J., *Psychiatry* '73
Assistant in Psychiatry
M.G.H.

*Mihm, Martin C., Jr.
Associate Pathologist
Assistant Dermatologist
M.G.H.

Milam, Daniel F., Jr., *Surgery* '52
1300 116th Avenue N.E.
Bellevue, Wash. 98004

*Milas, Luka
Consultant Biologist in
Radiation Medicine
Associate Professor of Immunology
Central Institute of Tumors, Ilica 197
41000 Zagreb, Yugoslavia

*Millard, D. Glynn, *Radiology* '60
Clinical Associate in Radiology
Thorndike Pond Road
Jaffrey Center, N.H. 03454

*Miller, Abbott R., *Radiology* '64
Clinical Associate in Radiology
1030 President Avenue
Fall River, Mass. 02720

*Miller, Alexander L., *Psychiatry* '75
Clinical Assistant in Psychiatry
M.G.H.

Miller, Carroll C., *Surgery* '38
Pumpkin Point
Alton Bay, N.H. 03810

*Miller, Elliott V.
Anesthetist
M.G.H.

Miller, Erwin C., *Medicine* '26
7 Military Road, Worcester, Mass. 01609

*Miller, Janet C.
Assistant Biochemist (Anesthesia)
M.G.H.

Miller, Jule P., Jr., *Psychiatry* '55
5501 Lindell Avenue
St. Louis, Mo. 63108

*Miller, Keith W.
Associate Pharmacologist (Anesthesia)
H.M.S.

*Miller, Lawrence M.
Assistant Physician
10 Hawthorne Pl., Boston, Mass. 02114

*Miller, Matthew A.
Clinical & Research Fellow in Medicine
M.G.H.

Miller, Milton L., *Medicine* '32
University of North Carolina School
of Medicine, Chapel Hill, N.C. 27515

*Miller, Stephen W., *Radiology* '73
Assistant Radiologist
M.G.H.

*Miller, Susan E.
3rd Year Resident in Surgery
M.G.H.

*Miller, Wayne A.
Clinical & Research Fellow in Pediatrics

Miller, William L., *Pathology* '61
RR 1 Idle Wilde Lane
Chatham, Ill. 62629

Millet, J. Bradford, *Surgery* '48
5 Tennyson Circle
New Hartford, N.Y. 13413

*Milligan, Janice E., *Children's* '74
Clinical Associate on the Children's Service
M.G.H.

*Mills, John A., *Medicine* '58
Physician
M.G.H.

*Mills, John W.
Assistant in Biology (Medicine)
M.G.H.

Mills, Lawrence J., *Surgery* '73
Dept. of Thoracic Surgery
University of Texas Southwestern
Medical School, 5323 Harry Hines Blvd.
Dallas, Texas 75235

Mills, Lloyd, Jr., *Medicine* '44
1136 West 6th Street
Los Angeles, Calif. 90017

*Milunsky, Aubrey
Assistant Pediatrician
Fernald State School
Waltham, Mass. 02154

*Miner, Richard L.
Clinical Associate in Oral Surgery
412 Beacon Street, 5th Fl.
Boston, Mass. 02115

Minette, Lawrence J., *Pathology* '73
5048 Maplewood
Greenville, S.C. 29607

Ming, Si-Chun, *Pathology* '56
655 Heatherwood Rd.
Rosemont, Pa. 19010

*Minguez, Maria C.
Research Fellow in Surgery
M.G.H.

*Minichiello, William E.
Assistant in Psychology (Psychiatry)
M.G.H.

Minna, John D., *Medicine* '69
NCI-VA Medical Oncology Branch
Veterans Administration Hospital
50 Irving Street, N.W.
Washington, D.C. 20422

*Minter, Richard E.
2nd Year Resident in Psychiatry
M.G.H.

Mintz, E. Ross, *Pathology* '30, *Urology* '32
18 Rundlett St., Concord, N.H. 03301

Mirkin, Gabriel B., *Children's* '63
9900 Georgia Avenue
Silver Spring, Maryland 20902

Mital, Mohinder A., *Orthopaedics* '68
University of Strathclyde
Bioengineering Unit, Montrose St.
Glasgow, C.I., Scotland

Mitchel, Duane H., *Medicine* '47
1633 Fillmore Street, #204
Denver, Colo. 80206

Mitchell, David C., *Orthopaedics* '63
Henry Ford Hospital, Detroit, Mich. 48202

*Mitchell, Mark M.
3rd Year Resident in Anesthesia
M.G.H.

*Mitchell, Michael E.
Chief Resident in Urology
M.G.H.

Mittler, Gerry R., *Psychiatry* '76
824 Wicklow Street
Winnipeg, Manitoba
CANADA R3T OH7

*Mixter, Charles G., Jr., *Surgery* '47
Clinical Associate in Surgery
V.A. Hospital, Brockton, Mass. 02401

*Mixter, Charles G. III, *Surgery* '72
Clinical Associate in Surgery
Exeter Clinic
Exeter, N.H. 03833

Mixter, George, Jr., *Surgery* '43
535 North Dearborn Street
Chicago, Ill. 60610

Mnaymneh, Walid Ahmed, *Orthopaedics* '62
Dept. of Orthopaedics & Rehabilitation
University of Miami
P.O. Box 520875, Biscayne Annex
Miami, Fla. 33152

*Moellering, Robert C., *Medicine* '67
Associate Physician
Consultant in Bacteriology
M.G.H.

Moffitt, Herbert C., Jr., *Medicine* '42
909 Hyde Street
San Francisco, Calif. 94109

*Mohr, Jay Preston
Associate Neurologist
M.G.H.

Molind, Samuel E., *Oral Surgery* '70
Cassie Rd., R.D. #4
Barre, Vt. 05641

Molloy, Maureen K., *Orthopaedics* '62
Dorset Street
Shelburne, Vt. 05482

Moloney, David R., *Dermatology* '66
21 Woodland Street, Hartford, Conn. 06105

*Momose, K. Jack, *Radiology* '57
Associate Radiologist
M.G.H.

*Momtaz, Khosrow T.
Clinical Fellow in Dermatology
M.G.H.

Monaco, Anthony P., *Surgery* '63
New England Deaconess Hospital
185 Pilgrim Road
Boston, Mass. 02215

Monahan, John J., *Orthopaedics* '62
22 West 39th Street,
Erie, Pa. 16508

*Moncure, Ashby C., *Surgery* '67
Associate Visiting Surgeon
15 Agawam Road
Waban, Mass. 02168

*Monroe, Carl B.
Clinical & Research Fellow in Medicine
M.G.H.

Monroe, John T., Jr., *Medicine* '56
Conner Drive Professional Building
110 Conner Drive
Chapel Hill, N.C. 27514

Montgomery, Hugh, *Medicine* '32
932 Merion Square Road
Gladwyne, Pa. 19035

Montgomery, Orland F., *Surgery* '16
890 Coleman Avenue
Menlo Park, Calif. 94025

Moolten, Frederick L., *Medicine* '68
Boston University School of Medicine
80 E. Concord Street
Boston, Mass. 02118

Moore, Burness E., *Psychiatry* '42
152 East 73rd Street
New York, N.Y. 10021

*Moore, Francis D., *Surgery* '43
Consultant in Surgery
P.B.B.H.

*Moore, Gordon T., *Medicine* '65
Clinical Associate in Medicine
Harvard Community Health Plan
690 Beacon Street, Boston, Mass. 02215

*Moore, Melinda
3rd Year Resident on the Children's Service
M.G.H.

Moore, Michael J., *Neurology* '68
Assistant Professor in Neurology
Boston University School of Medicine
Boston, Mass. 02118

Moore, Robert F., *Medicine* '54
440 North Main Street
Randolph, Mass. 02368

Moore, S. Halcuit, Jr., *Children's* '37
P.O. Box 28, Dallas, Texas 75221

Moran, Thomas W., Jr., *Pathology* '50
401 Depot Street
Latrobe, Pa. 15650

*Moran, Virginia A.
Graduate Student Assistant in Psychology
(Psychiatry)
M.G.H.

Moreton, John R., *Surgery* '45
45 Meadowbrook Road
Weston, Mass. 02193

*Morgan, Edward J.
3rd Year Resident in Medicine
M.G.H.

*Morgan, Richard J.
2nd Year Resident in Surgery
M.G.H.

Morgan, Winfield S., *Pathology* '51
West Virginia University Medical Center
Morgantown, West Virginia 26506

*Morikawa, Yasuhide
Research Fellow in Surgery
M.G.H.

*Morin, Christopher J.
2nd Year Resident in Surgery
M.G.H.

*Morison, Warwick L.
Clinical and Research Fellow in Dermatology
M.G.H.

Morley, Helen R., *Anesthesia* '69
8A Avenue Road
Highgate, S.A.
Australia 5063

*Morrall, John F.
Clinical Associate in Psychiatry
1556 Massachusetts Avenue
Lexington, Mass. 02173

Morris, Harry D., *Orthopaedics* '37
1514 Jefferson Highway
New Orleans, La. 70120

Morris, Madeline B., *Children's* '76
The Memorial Hospital
119 Belmont Street
Worcester, Mass. 01605

Morris, Peter J., *Surgery* '64
Professor, Nuffield Department of Surgery
Radcliffe Infirmary
Oxford, OX2 6HE, England

*Morris, Philip J.
Clinical Fellow in Anesthesia
M.G.H.

*Morris, Roger H., *Anesthesia* '63
Associate Anesthetist
M.G.H.

Morrison, Gordon, M., *Orthopaedics* '41
77 San Mateo Drive
San Maeto, Calif. 94401

Morrison, Harvey R., *Medicine* '36
Radiology '39
91 Main St., St. Johnsbury, Vt. 05819

Morrison, Roger W., *Surgery* '43
4 Lucky Lane
Asheville, N.C. 28804

Morrissey, E. James, *Orthopaedics* '36
1121 Penn Avenue
Wyomissing, Pa. 19610

Morrissey, Eugene J., *Orthopaedics* '65
1121 Penn Avenue
Wyomissing, Pa. 19610

Morse, Frank P., *Urology* '72
79 Highland Avenue
Salem, Mass. 01970

Morton, Robert O., *Medicine* '74
2301 West Beech Street
Duncan, Oklahoma 73533

Moser, Hugo W., *Neurology* '59
Director, J.F.K. Institute
707 North Broadway
Baltimore, M.D. 21205

*Mosher, David B., *Dermatology* '75
Clinical Fellow in Dermatology
M.G.H.

Moss, Arthur J., *Medicine* '61
Strong Memorial Hospital
Rochester, N.Y. 14620

Moss, Gerald S., *Surgery* '65
Chairman, Department of Surgery
Michael Reese Hospital &
Medical Center
2929 So. Ellis Avenue
Chicago, Ill. 60616

*Moss, Jonathan
2nd Year Resident in Anesthesia
M.G.H.

Moyer, Dean LaR., *Pathology* '55
Los Angeles County Harbor General
Hospital, Torrance, Calif. 90509

*Moylan, Fergus, *Children's* '72
Assistant Pediatrician
M.G.H.

Mudd, S. Harvey, *Medicine* '54
National Institute of Health
Bethesda, Md. 20014

Mueller, Egbert H., *Psychiatry* '58
707 Commonwealth Ave.
Newton, Centre, Mass. 02159

Mueller, Gustave C.E., *Surgery* '64
F.M., National Bank
Princeton, Wis. 54967

*Mueller, H. Peter
Clinical Associate Radiology
39 Tyler Road
Belmont, Mass. 02178

Mueller, Harry L., *Children's* '35
C.H.M.C.

*Mueller, Peter R.
3rd Year Resident in Radiology
M.G.H.

*Muenchow, Sharon K.
5th Year Resident in Surgery
M.G.H.

Muirhead, Donald M., Jr., *Children's* '61
319 Longwood Ave.
Boston, Mass. 02115

Mulford, Edwin H. II, *Neurosurgery* '47
5 Elm Crest Terrace
Norwalk, Conn. 06850

Mull, J. Dennis, *Medicine* '71
Chief, Outpatient Department
General Hospital
Jiddah, Saudi Arabia

Muller, Alex T., *Medicine* '53
Hospital Cantonal, Geneva, Switzerland

*Muller, Betty J.
1st Year Resident in Anesthesia
M.G.H.

*Muller, James J.
Assistant Psychologist (Psychiatry)
L.M.H.C.

Muller, Walter A., *Medicine* '73
Institut de Biochemie Clinque de l'Universite
Dentier de la Roseraie
Geneva, Switzerland

*Mulley, Albert G.
2nd Year Resident in Medicine
M.G.H.

Mulliken, John B., *Surgery* '70
P.B.B.H.

*Mullin, Charles S.
Clinical Associate in Psychiatry
M.G.H.

Mullin, Edward M., *Surgery* '72
3704 Suffolk St.
Durham, N.C. 27707

Mundth, Eldred D., *Surgery* '67
Hahnemann Medical College & Hospital
of Philadelphia
245 North 15th Street
Philadelphia, Penn. 19102

*Munford, Robert S.
Clinical & Research Fellow in Medicine
M.G.H.

Munro, Jeannette, *Children's* '29
36-04 Meadow Lakes
Hightstown, N.J. 08520

Munro, Nathan D., *Surgery* '44
740 W. Michigan Ave.
Jackson, Mich. 49201

Murlas, Christopher G., *Pathology* '76
2255 Hearst Street
Berkeley, Calif. 94709

*Murphy, Annetta L.
Assistant Anesthetist
M.G.H.

*Murphy, Douglas A.
2nd Year Resident in Medicine
M.G.H.

*Murphy, George F.
1st Year Resident in Pathology
M.G.H.

Murphy, Grace L., *Dermatology* '30
601 S. Bowman Avenue
Merion Station, Pa. 19066

*Murphy, Janice A.
Clinical Fellow in Psychology (Psychiatry)
B.H.H.C.

*Murphy, John D., *Anesthesia* '63
Morton Hospital
Dept. of Anesthesia
88 Washington Street
Taunton, Mass. 02780

*Murphy, Michael D., *Psychiatry* '70
Clinical Associate in Psychiatry
Choate Memorial Hospital
Woburn, Mass. 01801

*Murphy, Richard A.
Research Fellow in Medicine
M.G.H.

*Murray, Barbara E.
Clinical & Research Fellow in Medicine
M.G.H.

*Murray, Brian P.
3rd Year Resident in Anesthesia
M.G.H.

*Murray, Brian W.
Assistant in Physics
(Radiology)
M.G.H.

Murray, David B., *Pathology* '56
Box 13029
Arlington, Texas 76013

*Murray, George B., *Psychiatry* '76
Clinical Assistant in Psychiatry
M.G.H.

*Murray, Joseph E.
Consultant in Plastic Surgery
P.B.B.H.

*Murray, Marguerite E.
Assistant in Psychology (Psychiatry)
L.M.H.C.

Murray, Thomas G., *Medicine* '72
University of Pennsylvania Hospital
Philadelphia, Pa. 19104

*Murray, William T.
Assistant in Radiology
M.G.H.

Mushatt, Cecil, *Psychiatry* '46
1093 Beacon Street
Brookline, Mass. 02146

*Myers, Gordon S., *Medicine* '43
Physician
M.I.T.

Myers, Harvey A.P., *Psychiatry* '73
Suite 210, 1661 Shoreline Drive
Boise, Idaho 83706

Myers, Richard S., *Surgery* '72
1300 St. Mary Street
Raleigh, N.C. 27605

*Nadas, Alexander S.
Consultant in Pediatrics
C.H.M.C.

*Nagel, Denise M.
1st Year Resident in Psychiatry
M.G.H.

*Nagin, Joshua G.F.
Clinical & Research Fellow in Medicine
M.G.H.

*Nardell, Edward A.
Clinical and Research Fellow in Medicine
M.G.H.

*Nardi, George L., *Surgery* '51
Visting Surgeon
M.G.H.

Nash, Gerald I., *Pathology* '68
Dept. of Pathology
Cedar-Sinai Medical Center
Los Angeles, Calif. 90048

*Nasir-Un-Din
Assistant in Biochemistry (Medicine)
M.G.H.

Nathan, Carl F., *Medicine* '74
National Cancer Institute, Building 10
Bethesda, Md. 20014

Nathan, Louis, *Orthopaedics* '30
35 Vernon Street
Brookline, Mass. 02146

Nathan, Martin J., *Surgery* '69
2701 W. Alameda Avenue
Burbank, Calif. 91505

*Neary, Joseph T.
Assistant in Biochemistry (Medicine)
M.G.H.

*Nebesar, Robert A., *Radiology* '63
Clinical Associate, Radiology
Cardinal Cushing Hospital
Brockton, Mass. 02401

*Neel, Hartley S., *Radiology* '73
Clinical Associate in Radiology
M.G.H.

*Neely, Constance F.
2nd Year Resident in Anesthesia
M.G.H.

*Neely, Stephen M.
1st Year Resident in Orthopaedic Surgery
M.G.H.

*Neer, Robert M.
Associate Physician
M.G.H.

*Neff, Courtney C.
1st Year Resident in Radiology
M.G.H.

*Neiberg, Norman A.
Assistant Psychologist in Psychiatry
190 Portland Street
Boston, Mass. 02114

Nellhaus, Gerhard, *Children's* '59
151 So. Clermont Street
Denver, Colo. 80220

*Nelson, Curtis N.
4th Year Resident in Neurosurgery
M.G.H.

*Nelson, James H.
Chief of the Gynecology Service
Chief of Staff, Vincent Memorial Hospital
M.G.H.

*Nelson, Michael H., *Psychiatry* '70
Consultant in Psychiatry
Boston State Hospital
591 Morton Street
Boston, Mass. 02124

Nelson, Russell M., *Surgery* '54
508 East on South Temple Street
Salt Lake City, Utah 84102

*Nemiah, John C., *Psychiatry* '49
Honorary Psychiatrist
B.I.H.

*Neu, Carlos A.
Clinical Associate in Psychiatry
L.M.H.C.

*Neuhauser, Duncan
Consultant in Medicine
H.S.P.H.

*Neuhauser, Edward B.
Consultant in Radiology
C.H.M.C.

*New, Paul F.J.
Radiologist
M.G.H.

*Newberg, Arthur H.
Assistant in Radiology
M.G.H.

*Newbower, Ronald S.
Associate Biomedical Engineer (Anesthesia)
M.G.H.

Newell, James W., *Surgery* '44
Medical Plaza, 1101 Welch Road
Palo Alto, Calif. 94304

*Newell, John L., *Surgery* '32
Consultant in Surgery
319 Longwood Ave., Boston, Mass. 02115

Newfield, Phillippa, *Anesthesia* '76
Dept. of Anesthesia
Presbyterian University Hospital
230 Lothrop Street
Pittsburgh, Penn. 15213

*Newhouse, Jeffrey H., *Radiology* '72
Assistant Radiologist
M.G.H.

Newman, Herbert A., *Children's* '60
14 Soundview Avenue
White Plains, N.Y. 10606

Newstedt, J. Roger, *Surgery* '50
108 William Howard Taft Road
Cincinnati, Ohio 45219

*Niall, Hugh D.
Consultant in Medicine
University of Melbourne
Parkville, Victoria 3052 Australia

*Nichols, Allen B.
Clinical & Research Fellow in Medicine
M.G.H.

Nicholson, Jesse T., *Orthopaedics* '33
419 South 19th Street
Philadelphia, Pa. 19146

Nickman, Steven L., *Psychiatry* '71
114 Rawson Road
Brookline, Mass. 02146

Nicosia, Arnold P., *Children's* '49
535 Plandome Road
Manhasset, Long Island, N.Y. 11030

*Nieh, Peter T.C.
2nd Year Resident in Urology
M.G.H.

*Nielsen, Heber C.
2nd Year Resident on
the Children's Service
M.G.H.

Nielsen, Talmadge W., *Surgery* '53
60 South 4th Avenue East
Salt Lake City, Utah 84111

Nigra, Thomas P., *Dermatology* '69
Washington General Hospital
Washington, D.C. 20003

*Nikrui, Najmosama
Assistant in Gynecology
M.G.H.

Nilges, Richard G., *Neurosurgery* '51
2745 W. Winoma Avenue
Chicago, Ill. 60625

Nimetz, Allen A., *Medicine* '72
Washington Clinic
5401 Western Avenue, N.W.
Washington, D.C. 20015

*Nishino, Hoyoku
Research Fellow in Medicine
M.G.H.

*Niv, Avigdor I.
Clinical and Research Fellow in
Orthopaedic Surgery
M.G.H.

*Nobel, Kenneth W., *Psychiatry* '74
Clinical Associate in Psychiatry
1416 Beacon Street
Brookline, Mass. 02146

Noble, John J., Jr., *Medicine* '65
Box 83, No. Carolina Memorial Hospital
Chapel Hill, N.C. 27514

Nobles, Eugene R., Jr., *Surgery* '61
899 Madison Avenue, Suite 508A
Memphis, Tenn. 38103

Noe, Joel M., *Surgery* '72
1101 Beacon Street
Brookline, Ma. 02146

Nolan, James A., *Medicine* '76
B.C.H.

*Noon, James P.
Assistant in Psychobiology (Psychiatry)
M.G.H.

Noone, P. Francis, *Anesthesia* '63
53 East End Avenue
New York, N.Y. 10028

Norbury, Frank B., *Medicine* '49
Norris Hospital, 446 East State Street
Jacksonville, Ill. 62650

Norcross, John W., *Medicine* '37
51 Hill Road
Belmont, Mass. 02178

*Norris, Richard V.
Assistant in Psychiatry
219 Central Street
Lowell, Mass. 01852

*Norris, Stephen H.
2nd Year Resident in Orthopaedic Surgery
M.G.H.

*Norton, Paul L., *Orthopaedics* '34
Honorary Orthopaedic Surgeon
P.O. Box 542
Concord, Mass. 01742

*Novelline, Robert A., *Radiology* '73
Assistant Radiologist
M.G.H.

*Novotny, Jiri
Research Fellow in Medicine
M.G.H.

Novy, Miles J., *Surgery* '64
Univ. of Oregon Medical School Hospital
Portland, Ore. 97201

*Nozik, Daniel L., *Oral Surgery* '68 *Anesthesia* '73
Assistant Anesthetist
M.G.H.

Nussbaum, Samuel R., *Medicine* '76
Dept. of Medicine
Palo Alto V.A. Hospital
Palo Alto, Calif. 94304

Nuzzo, Roy M., *Orthopaedics* '75
452 Seeman Road
Virginia Beach, Va. 23452

Oakley, Joseph C., *Dentistry* '59
507 Main Street,
Worcester, Mass. 01608

*O'Brien, J. Patrick, *Psychiatry* '74
Assistant in Psychiatry
M.G.H.

*O'Brien, Richard G.
Clinical Associate, Radiology
697 Cambridge St.
Brighton, Mass. 02135

*O'Brien, Robert M., *Orthopaedics* '41
777 So. New Ballas Road
St. Louis, Missouri 63141

O'Brien, William M., *Medicine* '58
University of Virginia Hospital
Charlottesville, Va. 22901

O'Connell, Theodore X., *Surgery* '70
U.C.L.A.
Los Angeles, Calif. 90000

O'Connor, Joseph R.F., *Anesthesia* '70
B.U.H.

O'Connor, Thomas A., *Anesthesia* '74
14 Harrogate Sq.
Williamsville, NY 14221

Oder, Frederic E., *Psychiatry* '74
339 Washington Street
Gloucester, Mass. 01930

Odland, George F., *Medicine* '47
Dermatology '54
University of Washington School of
Medicine, Seattle, Wash. 98195

Ogden, Ralph T., *Children's* '25
94 Main Street
Sanford, Maine 04073

Ogus, Hugh D., *Oral Surgery* '72
65 Beaconsfield Road
London SE 3, England

*Oh, Indong
Clinical and Research Fellow in
Orthopaedic Surgery
M.G.H.

Oh, Kook Sang, *Radiology* '69
Children's Hospital
Pittsburgh, Pa. 15213

Oh, Won Hwan, *Orthopaedics* '67
N.E.M.C.H.

*O'Hara, Patrick
4th Year Resident in Surgery
M.G.H.

*Ohman, John L., Jr.
Assistant in Medicine
M.G.H.

*Ohtaka, Michio
Research Fellow in Anesthesia
M.G.H.

*Ojemann, Robert G., *Neurosurgery* '61
Visiting Neurosurgeon
M.G.H.

Okagaki, Takashi, *Pathology* '67
Box 131 Mayo Bldg.
Univ. of Minn.
Minn., Minn. 55455

*Okayama, Minoru
Assistant in Biochemistry (Medicine)
M.G.H.

*O'Keefe, Dennis D., *Surgery* '67
Assistant Physiologist (Surgery)
M.G.H.

Okun, Milton R., *Dermatology* '60
47 Commercial Wharf, Boston, Mass. 02110

*Olds, G. Richard
2nd Year Resident in Medicine
M.G.H.

*O'Leary, Daniel H., *Neurology* '73
2nd Year Resident in Radiology
M.G.H.

Olin, Harry S., *Psychiatry* '59
55 Windsor Drive, Waban, Mass. 02168

*Olin, Morton
Visiting Oral Surgeon
251 Massachusetts Avenue
Arlington, Mass. 02174

*Oliver L. Christine
Clinical Associate in Medicine
M.G.H.-Chelsea Health Center
111 Bellingham Street
Chelsea, Mass. 02150

Olson, Daniel J., *Oral Surgery* '75
550 Water Street
Santa Cruz, Calif. 95060

O'Machi, Rodney S., *Medicine* '70
623 Miramar Avenue
San Francisco, Calif. 94112

O'Malley, Austin F., *Urology* '57
20 Gleason St.,
Hyannis, Mass. 02061

O'Malley, John E., *Psychiatry* '72
C.H.M.C.

*O'Malley, Patricia J.
2nd Year Resident on
the Children's Service
M.G.H.

*O'Malley, Terrence A.
Clinical Assistant in Medicine
M.G.H.

Omenn, Gilbert S., *Medicine* '67
University of Washington Medical Center
Seattle, Wash. 98105

*Onifer, William M.
Graduate Student Assistant in Psychology
(Psychiatry) M.G.H.

Onwukwe, Mba Felix, *Dermatology* '72
Inst. for Skin & Research
63 Azikiwe Road
Aba, Nigeria

Oparil, Suzanne, *Medicine* '68
U. of Chicago Medical School
Dept. of Medicine 950 E. 59th St.
Chicago, Ill. 60637

Oppenheim, Arnold R., *Pathology* '76
16 Accord Pond Drive
Hingham, Mass. 02043

*Orenstein, Neil S.
Assistant Biochemist in Pathology
M.G.H.

*Orkin, Roslyn B.
Research Fellow in Medicine
M.G.H.

Organick, Avrum B., *Medicine* '53
Denver General Hospital
201 West 6th Avenue, Denver, Colo. 80204

Ormandy, Laszlo, *Orthopaedics* '43
3109 10th Street,
N., Arlington, Va. 22201

*Ornellas, Eugene P.
Assistant Immunologist (Urology)
M.G.H.

O'Rourke, Dermot A., *Psychiatry* '75
3314 Seneca Drive
Las Vegas, Nev. 89109

*O'Rourke, Patricia P.
3rd Year Resident on the Children's Service
M.G.H.

Orski, Barbara M., *Children's* '56
Kaiser Foundation Hospital
Oakland, Calif. 94611

Osborn, June E., *Children's* '63
University of Wisconsin Medical School
Madison, Wis. 53706

Osborne, Barbara M., *Pathology* '75
2014 Sea Cove Court
Nasua Bay, Houston, Texas 77058

*Osborne, Robert K., *Medicine* '62
Clinical Associate in Medicine
Dedham Medical Association
743 High Street, Dedham, Mass. 02026

O'Shea, Clare Marshall, *Neurology* '54
Enosburg Falls, Vt. 05450

*O'Shea, James A., *Children's* '50
Clinical Associate in Pediatrics
339 Haverhill Street
Lawrence, Mass. 01840

*O'Shea, Kathleen T., *Dermatology* '70
Clinical Associate in Dermatology
101 River Road
Weston, Mass. 02193

Osius, Eugene A., *Medicine* '23
8120 East Jefferson Avenue
Detroit, Michigan 48214

*Osler, David C., *Pediatrics* '72
Clinical Associate in Pediatrics
Somerville Hospital
230 Highland Avenue
Somerville, Mass. 02143

Osmond, John D. III, *Radiology* '73
Cape Cod Hospital
Hyannis, Mass. 02601

Oster, Martin W., *Medicine* '73
Columbia College of Physicians and Surgeons
630 W. 168 Street
New York, NY 10032

Ostheimer, Gerard W., *Anesthesia* '70
77 Hancock Road
Needham, MA 02192

O'Sullivan, Renee B., *Children's* '57
14 Denton Road,
Wellesley, Mass. 02181

Ott, Kenneth H., *Neurosurgery* '76
Neurosurgical Medical Clinic, Inc.
550 Washington Street
San Diego, Calif. 92103

*Ottinger, Leslie W., *Surgery* '66
Associate Visiting Surgeon
M.G.H.

Otto, Charles W., *Anesthesia* '75
Department of Anesthesiology
University of Arizona Medical Center
Tucson, Ariz. 85724

*Otto, William J., Jr., *Radiology* '64
Clinical Associate in Radiology
Beverly Hospital, Beverly, Mass. 01915

*Ouellette, Andre J.
Assistant Biochemist (Surgery)
S.B.I.

*Ouellette, Eileen M., *Children's* '64
Neurology '68
Shriver Center
200 Trapelo Road
Waltham, MA 02154

*Ovaska, Nancy A.
Graduate Student Assistant in
Psychology (Psychiatry)
M.G.H.

*Overgaard, Jens
2nd Year Resident in Radiation Medicine
M.G.H.

*Overgaard, Marie
3rd Year Resident in Radiation Medicine
M.G.H.

Owen, William R., *Medicine* '52
6410 Fannin St.,
Houston, Texas 77025

Owens, William D., *Anesthesia* '72
Washington University
St. Louis, Mo. 63110

Owyang, Pauline, *Children's* '43
P.O. Box 1365,
Costa Mesa, Calif. 92626

*Ozer, Howard, Jr.
2nd Year Resident in Medicine
M.G.H.

*Pachas, William N.
Clinical Associate in Medicine
M.G.H.

Packard, George B., *Surgery* '17
2415 East Cedar Street
Denver, Colo. 80209

Packert, Richard C., *Radiology* '58
Memorial Hospital for Cancer and Allied Diseases, New York, N.Y. 10021

Padget, Charles H., *Anesthesia* '74
6 Scott Lane
Northboro, Mass. 01532

Page, David L., *Pathology* '68
Dept. of Pathology
University of Nashville Medical School
Nashville, Tenn. 37202

*Page, Lot B., *Medicine* '56
Consultant in Medicine
2000 Washington Street
Newton Lower Falls, Mass. 02162

*Pais, Vernon M.
Clinical Associate in Urology
697 Cambridge Street
Brighton, Mass. 02135

*Palacios Urdaneta, Igor
Clinical and Research Fellow in Medicine
M.G.H.

*Paley, Robert H.
1st Year Resident in Radiology
M.G.H.

Palmer, Michael S., *Medicine* '73
4 Bramblebush Park
Falmouth, Mass. 02540

*Palmer, R. Sterling, *Medicine* '27
Honorary Physician
61 Griggs Road
Brookline, Mass. 02146

*Pang, Kam-Yee Y.
Research Fellow in Anesthesia
M.G.H.

*Panny, Susan R.
3rd Year Resident on the Children's Service
M.G.H.

*Panowicz, Thomas B.
Clinical Fellow in Psychology (Psychiatry)
M.G.H.

Pant, Shyam S., *Neurology* '63
318 Vinay Marg, New Delhi, India

*Paolitto, Frank J.
Clinical Associate in Psychiatry
M.G.H.

*Papas, Arthur N.
Consultant in Psychiatry
Metropolitan State Hospital
Waltham, Ma. 02154

Papazian, Clement E., *Children's* '60
Permanete Medical Group
Fontana, Calif. 92335

*Paretti, Joseph P.
Assistant in Psychology (Psychiatry)
M.G.H.

Park, Kyung M., *Anesthesia* '71
41 Laxfield Road
Weston, Mass. 02193

Parker, Jack S., *Surgery* '46
332 Washington Street
Wellesley Hills, Mass. 02181

*Parker, John A.
Research Fellow in Radiology
P.B.B.H.

Parker, John C., *Medicine* '63
1010 Highland Woods
Chapel Hill, N.C. 27514

*Parker, Stephen W., *Neurology* '72
Assistant Neurologist
M.E.E.I.

Parkhurst, Albert E., *Medicine* '19
Beverly Hospital, Beverly, Mass. 01915

*Parkhurst, Edward C., *Urology* '58
Assistant Urologist
One Hawthorne Place
Boston, Mass. 02114

*Parks, Joe M.
Research Fellow in Neurosurgery
M.G.H.

*Parmelee, Dean X.
2nd Year Resident in Psychiatry
M.G.H.

Parnell, Edward *Orthopaedics* '32
1216 Mesilla, N.E.
Albuquerque, N.M. 87102

*Parnes, Jane R.
2nd Year Resident in Medicine
M.G.H.

Parrillo, Joseph E., *Medicine* '74
National Institute of Allergy and
Infectious Disease
Building 10
Bethesda, Md. 20014

*Parrish, John A., *Dermatology* '72
Assistant Dermatology
M.G.H.

Parson, William, *Medicine* '42
Dean's School of Medicine
Gadia Mada University
Jog Jakarta, Indonesia

*Parsons, Edward F.
Clinical Assistant in Medicine
St. Joseph's Hospital
Lowell, Mass. 01854

*Parsons, John Anthony
Consultant in Endocrinology (Medicine)
M.G.H.

*Parsons, Langdon, *Surgery* '29
Consultant in Surgery
1180 Beacon St., Brookline, Mass. 02146

*Pasternack, Mark S.
3rd Year Resident in Medicine
M.G.H.

*Pasternak, Richard C.
Research Fellow in Medicine
M.G.H.

*Pastra-Landis, Styliani C.
Research Fellow in Urology
M.G.H.

*Patel, Dineshkumar G., *Orthopaedics* '71
Assistant in Orthopaedic Surgery
M.G.H.

*Pathak, Madhukar A.
Associate Biochemist, Dermatology
M.G.H.

Patterson, Arthur K., *Radiology* '75
Clinical Associate in Radiology
Lawrence Memorial Hospital
Dept. of Radiology
170 Governors Avenue
Medford, Mass. 02155

*Patterson, Mary Kay
Assistant Anesthetist
M.G.H.

Patterson, Robert L., Jr., *Orthopaedics* '35
535 East 70th St.,
New York, N.Y. 10021

Patterson, Russell H., *Surgery* '19, *Urology* '20
833 Sanderling Road,
Sarasota, Fla. 33581

Patterson, Susan D., *Pathology* '76
c/o Laird Patterson, M.D.
The Mason Clinic, Section of Neurology
Seattle, Wash. 98101

*Patton, Anthony S., *Surgery* '64
Clinical Associate, Surgery
159 Locust St.,
Danvers, Mass. 01923

Pauker, Stephen G., *Medicine* '70
N.E.M.C.H.

*Pauker, Susan P., *Pediatrics* '73
Clinical Associate in Pediatrics
M.G.H.

*Paul, Igor L.
Consultant in Engineering Science
Orthopaedic Surgery
M.I.T., Room 3-449

Paul, Oglesby, *Medicine* '43
Vice President for Health Sciences
Northwestern University
339 East Chicago Avenue
Chicago, Ill. 60611

*Pawlowski, Margaret M.
Clinical & Research Fellow and Acting 2nd Year Resident in Psychiatry, M.G.H.

Peabody, Homer D., Jr., *Medicine* '45
848 Rosecrans Street, San Diego, Calif. 92106

Pearl, Don C., *Surgery* '64
36 So. El Camino Real
San Mateo, Calif. 94401

*Pease, Francis B.
4th Year Resident in Surgery
M.G.H.

Pearse, Richard L., *Surgery* '34
1821 Green St.,
Durham, N.C. 27705

Pearson, Carl M., *Pathology* '48
University of California Medical Center
Los Angeles, Calif 90024

Pearson, Olaf H., *Medicine* '42
Western Reserve University
School of Medicine
Cleveland, Ohio 44106

Pease, Francis B., *Surgery* '73
1012 Hendricks Avenue
Jacksonville, N.C. 28540

*Pechet, Maurice M., *Medicine* '52
Assistant in Medicine
49 Amherst St.,
Cambridge, Mass. 02142

Pederson, Donald P., *Anesthesia* '57
650 S. Central Ave., Marshfield, Wis. 54449

*Peebles, Richard R.
Psychologist (Psychiatry)
M.G.H.

*Peebles, Thomas C., *Children's* '55
Pediatrician
M.G.H.

Peete, William P.J., *Surgery* '53
Duke University Medical Center
Durham, N.C. 27706

Peiffer, Geraldine M., *Anesthesia* '57
6541 Forest Ave.,
Hammond, Ind. 46324

*Peimer, Clayton A.
Assistant in Orthopaedic Surgery
M.G.H.

*Pelliniemi, Tarka-Terttu T.M.
Research Fellow in Medicine
M.G.H.

Perkins, Arthur, *Surgery* '25
813 Ogden Canyon, Ogden, Utah 84401

*Perler, Bruce A.
1st Year Resident in Surgery
M.G.H.

Perley, Abraham I., *Dermatology* '48
2030 11th Ave., South
Birmingham, Ala. 35205

*Perlman, Donald M.
Clinical Associate in Surgery
Lynn Hospital
212 Boston Street
Lynn, Mass. 01901

*Perlman, Jon A.
4th Year Resident in Surgery
M.G.H.

*Perlo, Vincent P.
Neurologist
M.G.H.

Perlstein, George, *Pathology* '68
Neurology '69
Palo Alto Medical Clinic, 300 Himer Ave.
Palo Alto, Calif. 94301

Perrin, George M., *Children's* '54
Philadelphia General Hospital
Mills Building, Philadelphia, Pa. 19104

*Pessin, Michael S.
Assistant in Neurology
M.G.H.

*Peters, Charles
3rd Year Resident in Surgery
M.G.H.

*Petersen, James A., *Radiology* '56
Clinical Associate in Radiology
16 Clarke St., Lexington, Mass. 02173

Petersen Robert Ole, *Pathology* '71
Dept. of Pathology
Temple University School of Medicine
Philadelphia, Pa. 19100

Peterson, Harold O., *Radiology* '36
University of Minnesota Hospitals
Minneapolis, Minn. 55414

Peterson, Hart de C., *Children's* '61
New York Hospital, 525 East 68th St.
New York, N.Y. 10021

*Petersen, Vernonica S.
Clinical Associate on the Children's Service
Harvard Community Health Plan
Cambridge, Mass. 02138

*Peterson-Dahl, Eva
Research Fellow in Surgery
S.B.I.

Petranek, Joseph R., *Medicine* '55
2 Poplar St.,
Ipswich, Mass. 01938

Petrovich, George, *Neurology* '72
Stojana Novakovica 14
11.000 Belgrade, Yugoslavia

*Pettersson, Erna E.
Research Fellow in Pathology
M.G.H.

*Peyster, Robert G.
3rd Year Resident in Radiology
M.G.H.

*Pfeffer, William, Jr.
Clinical Associate in Pediatrics
3 Seaward Rd.
Wellesley Hills, Mass. 02181

*Pfister, Richard C.
Radiologist
M.G.H.

*Philbin, Daniel M.
Associate Anesthetist
M.G.H.

*Philip, James H.
Research Fellow in Anesthesia
M.G.H.

*Phillips, Anne W.
Research Fellow, Surgery
Smoke, Fire & Burn Foundation
53 State Street
Boston, Mass. 02109

Phillips, Edgar B. II, *Children's* '49
Box 377
Wellesley, Mass. 02181

*Phillips, Harry R. III
2nd Year Resident in Medicine
M.G.H.

*Picard, Ernest H., *Neurology* '57
Associate Neurologist
M.G.H.

*Pick, Walter, *Children's* '47
Clinical Associate in Pediatrics
42 Fox St., Fitchburg, Mass. 01420

Pickard, Nicholas S., *Orthopaedics* '40
411 Nicholas Rd., Kansas City, Mo. 64112

*Pier, Arthur S., Jr., *Medicine* '42
Associate Physician
266 Beacon St., Boston, Mass. 02116

Pier, Gardner, *Surgery* '43
Box 68, Truckee, Calif. 95734

*Pierce, Chester M.
Psychiatrist, Harvard University
Nichols House, Appian Way
Cambridge, Mass. 02138

*Pierce, Donald S.
Associate Orthopaedic Surgeon
M.G.H.

Pierce, R. Wendell, *Orthopaedics* '75
Orthopaedic Clinic
General Leonard Wood Hospital
Fort Leonard Wood, Mo. 65473

Pierson, Joseph D., Jr., *Children's* '72
24 Sherbrook Drive
Princeton Junction, N.J. 08550

Pietra, Giuseppe G., *Pathology* '62
University of Pennsylvania Hospital
Philadelphia, Penn. 19104

Pike, Maurice M., *Orthopaedics* '29
Old Mountain Rd.
Farmington, Conn. 06032

*Pilch, Ben Z.
4th Year Resident in Pathology
M.G.H.

Pillsbury, Philip L., *Medicine* '42
3512 Clay St., San Francisco, Calif. 94118

Pina, Burt D., *Radiology* '73
Rockville General Hospital
Rockville, Conn. 06066

*Pingree, Richard G.
Assistant in Medicine
M.G.H.

Pinn, Vivian W., *Pathology* '70
N.E.M.C.H.

Pinnell, Sheldon R., *Dermatology* '71
c/o Prof. Klaus Kuhn
Max Planck-Institut
fur Eiweiss und Lederfor-Schung
Schillerstrasse 46
8 Munich 15, Germany

*Pinto, Maria C. B.
Research Fellow in Neurology
Fernald School
200 Trapelo Road
Waltham, MA 02154

Pippitt, Richard B., *Medicine* '38
Pathology '39, *Neurology* '41
Freedom, N.H. 03836

Pitman, Susan A.W., *Radiation Medicine* '73
Sydney Farber Cancer Center
35 Binney Street
Boston, Mass. 02115

*Pittman, Helen S.
Honorary Physician
Higley Road
Groton, Mass. 01450

Pittman, James A., Jr., *Medicine* '54
University of Alabama Medical Center
1919 7th Ave.
South Birmingham, Ala. 35233

Pitts, John D., *Surgery* '56
110 Lockwood St.
Providence, R.I. 02903

Placak, Joseph C., Jr., *Surgery* '36
Rt. #1, Box 96 Columbus, N.C. 28722

Plank, Charles R., *Neurology* '72
Neurological Institute
710 West 168th St.
New York, N.Y. 10032

*Plate, Janet M.
Assistant in Immunology (Surgery)
M.G.H.

Platt, Melvin R., *Surgery* '70
12423 Quincy Lake
Dallas, Texas 75230

Platt, Orah S., *Children's* '75
104 Sewall Avenue
Brookline, Mass. 02146

Platzer, William R.
26 Teakwood Lane
Fairport, N.Y. 14450

*Plotkin, Leonard H., *Children's* '56
Assistant in Pediatrics
123 Dwight Road
Longmeadow, Mass. 01106

Pohl, John F., *Orthopaedics* '34
78 South 9th St., Minneapolis, Minn. 55402

Pohl, Marc A., *Medicine* '71
Cleveland Clinic Foundation
9500 Euclid Avenue
Cleveland, Ohio 44106

*Pohost, Gerald M.
Clinical Assistant in Medicine
Consultant in Nuclear Medicine
M.G.H.

*Point, W. Warren
Associate Physician
M.I.T.

*Poitras, James W.
Assistant Computer Scientist (Medicine)
M.G.H.

*Poletti, Charles E., *Surgery* '67
Neurosurgery '74
Assistant Visiting Neurosurgeon
M.G.H.

Pollack, James A., *Children's* '71
716 Keenan Drive
Vestal, New York 13850

*Pollard, James J., *Radiology* '63
Clinical Associate in Radiology
M.G.H.

*Pollard, John T., Jr., *Radiology* '59
Clinical Associate in Radiology
236 Highland Avenue
Somerville, Mass. 02143

Pollard, Thomas D., *Medicine* '69
Anatomy Department
Harvard Medical School
25 Shattuck Street
Boston, Mass. 02115

*Pollen, Daniel A.
Associate Neurophysiologist, Neurosurgery
M.G.H.

*Pont, Allan
Clinical and Research Fellow in Medicine
M.G.H.

*Pontoppidan, Henning, *Anesthesia* '73
Anesthetist
M.G.H.

Popkin, Michael K., *Psychiatry* '73
901 North Tyrol Terrace
Golden Valley, Minn. 55427

Popper, Charles W., *Psychiatry* '73
Lab of Clinical Science
NIMH
Bethesda, Md. 20014

Porter, Huntington, *Neurology* '46
N.E.M.C.H.

*Porter, Philip J., *Children's* '58
Pediatrician, Cambridge City Hospital
Cambridge, Mass. 02139

Porvaznik, John T., Jr., *Surgery* '62
Indian Hospital
Tuba City, Ariz. 86045

*Poskanzer, David C., *Neurology* '59
Associate Neurologist
M.G.H.

Poss, Robert I., *Orthopaedics* '69
R.B.B.H.

Post, Diana E., *Medicine* '75
R.B.B.H.

Post, Robert M., *Psychiatry* '70
National Institute of Health
Building 10, Room 35239
Bethesda, Md. 20014

*Postel, Sholem
Clinical Associate in Medicine
75 Mount Auburn St.
Cambridge, Mass. 02138

*Potsaid, Majic S., *Radiology* '57
Radiologist
M.G.H.

*Potter, Maxwell G.
Associate Psychiatrist
1419 Beacon St., Brookline, Mass. 02146

*Potts, John T., *Medicine* '59
Physician
M.G.H.

*Powell, Robert O.
5th Year Resident in Surgery
M.G.H.

Powell, Sam M., Jr., *Children's* '47
Birmingham Medical Group
1500 6th Ave., South
Birmingham, Ala. 35205

*Powell, William J., Jr., *Medicine* '67
Assistant Physician
M.G.H.

*Powers, Eric R.
Clinical & Research Fellow in Medicine
M.G.H.

*Pozatek, Zigmunt W., *Oral Surgery* '69
Clinical Associate in Oral Surgery
Driftway South Professional Building
56 Driftway Road
Scituate, Mass. 02066

*Prat, Jaime
Assistant in Pathology
M.G.H.

Prather, George C., *Surgery* '25
11 Oakcliff Road
Wellesley Hills, Mass. 02181

Prensky, Arthur L., *Neurology* '61
500 S. Kingshighway
St. Louis, Mo. 63110

Prescott, Richmond, *Medicine* '63
3352 Washington Street
San Francisco, Calif. 94118

Prescott, William G., *Psychiatry* '71
4925 N.E. 57th St.
Portland, Ore. 97218

Preston, Edwin T., *Orthopaedics* '67
110 Estes Drive
Chapel Hill, N.C. 27514

Price, Stuart E., Jr., *Surgery* '58
Urology '61
Medical Center East, Suite 570
Pittsburgh, Pa. 15206

*Prien, Edwin L., Jr.
Assistant in Medicine
M.G.H.

*Pringle, Michael J.
Research Fellow in Anesthesia
M.G.H.

Probst, Jan-Henrik, *Children's* '57
Rigshospitalet, Copenhagen, Denmark

*Proppe, Karl H., *Pathology* '75
Assistant in Pathology
M.G.H.

*Prot-Wald, Janine
Clinical Fellow in Neurology
M.G.H.

*Prout, George R., Jr.
Chief of Urological Service
M.G.H.

Provan, John, *Dermatology* '75
534 North Palo Alto Avenue
Panama City, Fla. 32401

*Pruitt, Amy A., *Medicine* '76
1st Year Resident in Neurology
M.G.H.

Prus, Alphonse M., *Anesthesia* '61
Grace Hospital, Detroit, Mich. 48201

*Pugh, Newell O., Jr.
3rd Year Resident in Radiation Medicine
M.G.H.

Pugliese, Michael M., *Dermatology* '73
98 Spring Road
Concord, Mass. 01742

*Purcell, John J.
1st Year Resident in Psychiatry
M.G.H.

Putnam, Henry M., *Medicine* '37
1025 High St., Dedham, Mass. 02026

Putnam, James J., *Children's* '20
30 School St., Foxboro, Mass. 02035

*Putschar, Walter G.J.
Consultant in Pathology
M.G.H.

Pyenson, Leslie R., *Medicine* '72
ESD/OC Field Office M
APO San Francisco, Calif. 06369

Qadri, Sayed A.
Research Fellow in Surgery
M.G.H.

*Quan, Stuart, *Pathology* '47
34 East 67th Street
New York, NY 10021

*Quaroni, Andrea
Research Fellow in Medicine
M.G.H.

Quarton, Gardner C., *Neurology* '47
Psychiatry '49
Box 63
Ann Arbor, Mich. 48107

*Quiby, John T., *Medicine* '41
Assistant Physician
M.G.H.

*Quinby, William C., Jr., *Surgery* '50
Associate Surgeon
M.G.H.

*Quindlen, Eugene A., *Surgery* '71
3rd Year Resident in Neurosurgery
M.G.H.

*Quinn, Ruth S.
Assistant in Biochemistry (Medicine)
M.G.H.

Quinn, Thomas J., Jr., *Anesthesia* '50
2217 Webster St.
San Francisco, Calif. 94115

*Raaf, John H.
5th Year Resident in Surgery
M.G.H.

*Rabe, Edward F.
Clinical Associate in Pediatrics
N.E.M.C.H.

Rabinowitz, Murray, *Medicine* '55
University of Chicago School of Medicine
Chicago, Ill. 60637

*Rabkin, Mitchell T., *Medicine* '62
Honorary Physician
General Director
B.I.H.

Radcliffe, Ernest J., *Orthopaedics* '25
833 Riviera St.,
Venice, Fla. 33595

Radin, Eric L., *Orthopaedics* '64
C.H.M.C.

*Rae, Donald B.
Clinical Associate in Oral Surgery
360 Handy Street
Attleboro, Mass. 02703

Raff, Martin C., *Neurology* '68
Zoology Department
University College London
London WCIE 6BT, England

Ragland, Stuart Jr., *Medicine* '52
Smith Hill Rd., Colebrook, Conn. 06021

Ragsdale, Bruce D., *Pathology* '72
Univ. of Otago Medical School
Great King Street
Dunedin, New Zealand

*Raines, Jeffrey K.
Associate Biophysicist (Surgery)
M.G.H.

*Raker, Edmond J.
Research Fellow in Surgery
M.G.H.

*Raker, John W., *Surgery* '49
Visiting Surgeon
M.G.H.

*Rakusanova, Tamara A.
Assistant in Microbiology (Medicine)
M.G.H.

*Ramirez, Lincoln F.
5th Year Resident in Neurosurgery
M.G.H.

Ramirez-Acosta, Javier A., *Anesthesia* '71
Independencia de Mexico 406
Aguascalientes, Mexico

Ramirez-Lassepas, Manuel, *Neurology* '71
Assistant Professor of Neurology
University of Minnesota
St. Paul-Ramsey Hospital
St. Paul, Minn. 55010

*Ramsey, Frederic M.
Chief Resident in Anesthesia
M.G.H.

*Ramsey, Paul G.
3rd Year Resident in Medicine
M.G.H.

Randall, Raymond V., *Medicine* '46
Mayo Clinic, Rochester, Minn. 55901

Randolph, Judson G., *Surgery* '58
Children's Hospital
Washington, D.C. 20009

*Rao, R. Subba
Research Fellow in Surgery
M.G.H.

*Rapaport, Eliezer
Assistant Biochemist (Medicine)
M.G.H.

Raphling, David L., *Psychaitry* '69
522 Connecticut Ave., N.W.
Washington, D.C. 20015

Rasmussen, Jane S., *Children's* 55
19 Edgehill Road
New Haven, Conn. 06511

Ratcliffe, John W., *Surgery* '46
101 South San Mateo Drive
San Mateo, Calif. 94401

*Rawdon, W. Kenner
Clinical Associate in Psychiatry
345 Harvard St., Suite 5A
Cambridge, Ma. 02138

Ray, Leon F., *Dermatology* '39
Medical Dental Building
Portland, Ore. 97205

*Raymond, A. Kevin
1st Year Resident (Intern) in Pathology
M.G.H.

*Re, Richard N., *Medicine* '71
Assistant in Medicine
M.G.H.

*Rebeiz, Jean J.
Research Fellow in Neurology
M.G.H.

Rebello, Desire J. A., *Dermatology* '54
166 D. Naoroji R., Bombay, 50, India

*Rechnitz, Gary D.
1st Year Resident in Anesthesia
M.G.H.

Record, Eugene E., *Neurosurgery* '38
Orthopaedics '41
Chief of Staff
V.A. Outpatient Clinic
Boston, Mass. 02108

*Rectanus, Daniel R.
Clinical Associate in Pediatrics
75 Mt. Auburn St.
Cambridge, Mass. 02138

*Reed, Allan P.
1st Year Resident in Anesthesia
M.G.H.

Reed, Carson R., Jr., *Orthopaedics* '36
2520 Line Ave., Shreveport, La. 71104

*Reeve, Jonathan
Clinical & Research Fellow in Medicine
M.G.H.

Reeves, Robert J., *Radiology* '26
Duke University Medical Center
Durham, N.C. 27706

Reiger, Darrel A., *Psychiatry* '75
National Institute of Mental Health
5600 Fishers Lane, 18-C
Rockville, Md. 20852

Register, John F., *Orthopaedics* '36
1008 Professional Village
Greensboro, N.C. 27401

*Reich, Kenneth I.
Clinical Fellow in Psychology (Psychiatry)
51 Brattle Street
Cambridge, Mass. 02138

*Reid, Elizabeth A., *Medicine* '75
2nd Year Resident in Neurology
M.G.H.

Reid, Elizabeth Aub, *Medicine* '52
30 Arlington St.
Cambridge, Mass. 02140

*Reidy, John A., *Orthopaedics* '39
Associate Orthopaedic Surgeon
3 Seaward Rd.
Wellesley Hills, Mass. 02181

*Reilly, James J., Jr.
4th Year Resident in surgery
M.G.H.

*Reilly, M. Kathleen
2nd Year Resident in Surgery
M.G.H.

*Reinherz, Ellis L.
2nd Year Resident in Medicine
M.G.H.

*Reiser, Stanley J.
Clinical Assistant in Medicine
M.G.H.

*Remensnyder, John P., Jr., *Surgery* '64
Visiting Surgeon
Clinical Consultant, Blood Bank
M.G.H.

*Rendall, Edward S.
Clinical Associate in Medicine
M.I.T.

Renna, Francis S., *Dermatology* '74
Newton-Wellesley Hospital
Newton, Mass. 02162

*Renner, John A.
Associate Psychiatrist
M.G.H.

Replogle, Robert L., *Surgery* '65
University of Chicago Medical School
Chicago, Ill. 60637

Reppert, Steven M., *Children's* '76
5813 Conway Road
Bethesda, M.D. 20034

*Rever, George W.
Assistant Psychiatrist
M.G.H.

Revercomb, Paul H., *Medicine* '33
311 Atlas Building
Charleston, W. Va. 25301

Reyersbach, Gertrud C., *Children's* '45
330 Dartmouth St.,
Boston, Mass. 02116

Reynolds, George S., *Surgery* '24
Oblong Rd., Williamstown, Mass. 01267

*Reynolds, Stephen L., *Children's* '65
Assistant Pediatrician
L.M.H.C.

*Rhea, James T.
Assistant in Radiology
M.G.H.

Rhine, Mark, *Psychiatry* '68
Univ. of Colorado Medical Center
Department of Psychiatry
4200 E. 9th Ave.,
Denver, Colo. 80220

Rhinelander, Frederic W., *Surgery* '37
Orthopaedics '38
Cleveland Metropolitan General Hospital
Cleveland, Ohio 44109

*Rhodes, Arthur R.
2nd Year Resident in Dermatology
M.G.H.

Rhodes, John S., *Urology* '35
6700 Leesville Road
Raleigh, N.C. 27612

*Rice, Jack O.
Associate Psychiatrist
One Emerson Place
Boston, Mass. 02114

*Rice, Richard C.
3rd Year Resident in Psychiatry
M.G.H.

Rich, James G., *Orthopaedics* '64
129 Eton Road
Longmeadow, Mass. 01106

*Rich, Tyvin A.
2nd Year Resident in Radiation Medicine
M.G.H.

Richards, Robert S., *Radiology* '58
Salem Hospital, Salem, Mass. 01970

*Richards, Sarah J.
Assistant in Pediatrics
M.G.H.-Chelsea Health Center
111 Bellingham Street, Chelsea, Mass. 02150

*Richardson, Edward P., *Medicine* '43
Psychiatry '47
Neurologist; Neuropathologist
M.G.H.

*Richardson, George S., *Surgery* '54
Gynecologist
M.G.H.

*Richardson, Walter P.
3rd Year Resident in Pathology
M.G.H.

Richardson, William R., *Surgery* '50
250 William Howard Taft Rd.
Cincinnati, Ohio 45219

*Richie, Robert H., Jr., *Children's* '57
Clinical Associate in Pediatrics
15 Story Street, Cambridge, Mass. 02138

Richman, David P., *Neurology* '74
Pitzker School of Medicine
Dept. of Neurology
University of Chicago
Chicago, Ill. 60607

Richter, Howard A., *Neurosurgery* '71
644 Hazelhurst Ave.
Merion, Pennsylvania 19066

*Richter, James M.
2nd Year Resident in Medicine
M.G.H.

Ricks, John E., *Medicine* '74
P.O. Box 1139
Livingston, Mont. 59047

Ricks, William B., *Medicine* '72
315 Edgewood Road
Pittsburg, Penna. 15221

Rider, Robert F., *Radiology* '70
20 Acacia Way,
Santa Cruz, Calif. 95054

*Ridgway, E. Chester, *Medicine* '70
Assistant Physician
M.G.H.

*Ridgway, Elizabeth W., *Children's* '72
Clinical Assistant in Pediatrics
M.G.H.

*Rie, Michael, A., *Anesthesia* '73
Assistant Anesthetist
Assistant in Medicine
M.G.H.

*Rieder, Sidney V.
Chief of Clinical Chemistry Laboratories
M.G.H.

*Reige, David H., *Children's* '47
81 S. Main St., West Hartford, Conn. 06107

Riggs, Suzanne G., *Children's* '74
30 Pinckney Street
Boston, Mass. 02116

*Riley, John M.
Clinical Fellow in Psychology
(Psychiatry) B.H.H.C.

*Rimmer, John D.
Assistant in Mathematics (Psych.)
M.G.H.

*Rinaldo, Charles R.
Research Fellow in Medicine
M.G.H.

*Rinaldo, Jean E.
1st Year Resident in Anesthesia
M.G.H.

Ring, Ernest J., *Radiology* '74
United States Naval Hospital
Roosevelt Roads
Cieba, Puerto Rico

Ring, Robert III, *Radiology* '72
4305 Piedmont Mesa Drive
Claremont, Calif. 91711

*Rinkle, Roy D.
Clinical Assistant in Oral Surgery
M.G.H.-Chelsea Health Center
111 Bellingham Street
Chelsea, Mass. 02150

Risely, Thomas S., *Surgery* '47
Beverly Hospital,
Beverly, Mass. 01915

Ritchie, Alexander C., *Pathology* '54
Department of Pathology, University of
Toronto, Toronto, Canada

*Rivet, Paul V.
Clinical Fellow in Neurosurgery
M.G.H.

*Robbins, Laurence L., *Radiology* '41
Radiologist
M.G.H.

*Robboy, Stanley, J., *Pathology* '70
Associate Pathologist
M.G.H.

*Roberson, Glenn H.
Associate Radiologist
M.G.H.

*Robert, Nicholas J.
1st Year Resident in Pathology
M.G.H.

*Roberts, Andrew B.
2nd Year Resident in Surgery
M.G.H.

Roberts, Charles D., *Medicine* '38
600 Palisades Avenue
Englewood Cliffs, N.J. 07632

*Roberts, James T., *Anesthesia* '73
Assistant Anesthetist
M.G.H.

Robertson, Charles W., *Pathology* '42
Surgery '47
720 Harrison Ave.
Boston, Mass. 02118

*Robey, John S., *Children's* '56
Associate Pediatrician
M.G.H.

Robins, Eli, *Psychiatry* '45
Washington University School of Medicine
St. Louis, Mo. 63110

*Robinson, Dwight R., *Surgery* '59
Medicine '61
Associate Physician
M.G.H.

Robinson, Edmond D., *Psychiatry* '75
44 Hanson Road
Newton, Centre, Mass. 02159

*Robinson, John C., *Children's* '67
Pediatrician
M.G.H.

*Robinson, John C.
Research Fellow in Surgery
M.G.H.

*Robinson, Michael J.
Clinical Associate on Children's Service
153 Powers Road
Sudbury, Mass. 01776

Robinson, William A., *Medicine* '64
4200 E. Ninth Ave.,
Denver, Colo. 80220

*Rock, John, *Surgery* '29
Consultant in Surgery
Temple, N.H. 03084

*Rockman, Roy A.
Clinical Fellow in Oral Surgery
B.H.H.C.

*Rockoff, Mark A., *Children's* '75
2nd Year Resident in Anesthesia
M.G.H.

Rodgers, Richard S., *Urology* '47
822 Marquette Ave.
Minneapolis, Minn. 55402

*Rodkey, Grant V., *Orthopaedics* '45
Surgery '50
Visiting Surgeon
Zero Emerson Place
Boston, Ma. 02114

Rodman, Charles A. II, *Surgery* '62
Anesthesia '63
2525 Losey Court
La Crosse, Wisconsin 54601

*Rodrigues, Janine T.
Assistant in Anesthesia
M.G.H.

Roe, Benson B., *Surgery* '50
University of California, M 488
San Francisco, Calif. 94143

*Roemer, Clifford E.
1st Year Resident in Radiology
M.G.H.

Rogentine, George N., Jr., *Medicine* '64
National Institutes of Health
Bethesda, Md. 20014

*Rogers, Horatio, *Surgery* '25
Consultant in Surgery
580 Osgood St.
North Andover, Mass. 01854

Rogers, Mark C., *Children's* '70
1904 Elmore
Louisville, Ky. 40216

*Rogers, William P., Jr.
Associate Visiting Surgeon
M.G.H.

*Rohrbaugh, Joanna B.
Clinical Fellow in Psychology (Psychiatry)
L.M.H.C.

Roizen, Nancy J., *Pediatrics* '73
479 Teresita Boulevard
San Francisco, Calif. 94127

Rolett, Ellis L., *Medicine* '60
Veterans Administration
Wadsworth Hospital Center
Los Angeles, Calif. 90073

*Rolle-Daya, Heike
Clinical Associate on the
Children's Service
New England Memorial Hospital
5 Woodland Road
Stoneham, Mass. 02180

*Romero, Jorge A.
2nd Year Resident in Neurology
M.G.H.

*Ropes, Marian W., *Medicine* '34
Senior Physician
M.G.H.

*Ropper, Allan H.
1st Year Resident in Neurology
M.G.H.

*Rosario, Reinaldo
Clinical Fellow in Dermatology
M.G.H.

Rose, Augustus S., *Medicine* '34
UCLA Center for Health Science
Los Angeles, Calif. 90024

Rose, Morton H., *Medicine* '48
5804 Lenox Road
Bethesda, Md. 20034

Rose, Patrick F., *Children's* '59
3403 Hall St.,
Dallas, Texas 75225

*Rosen, Harvey M., *Surgery* '74
3rd Year Resident in Surgery
M.G.H.

*Rosen, Neville
Clinical Associate in Anesthesia
Lawrence General Hospital
Lawrence, Mass. 01842

Rosen, Richard A., *Children's* '75
321 Taber Avenue
Providence, R.I. 02904

Rosen, Robert A., *Medicine* '74
National Heart and Lung Institute
Laboratory of Renal and Electrolyte
Metabolism
Bethesda, Md. 20014

Rosen, Robert B., *Children's* '54
1500 E. Duarte Rd.,
Duarte, Calif. 91010

Rosen, Victor J., Jr., *Pathology* '59
3828 Hughes Avenue
Culver City, Calif. 90230

*Rosenbaum, Jerrold F.
3rd Year Resident in Psychiatry
M.G.H.

Rosenbaum, Milton, *Psychiatry* '39
Jerusalem Mental Health Center
Jerusalem, Israel P.O.B. 140

*Rosenberg, Bruce M., *Children's* '66
Clinical Associate in Pediatrics
Gloucester, Mass. 01930

*Rosenberg, Earle H., *Dentistry* '60
Visiting Oral Surgeon
110 Francis St.,
Boston, Mass. 02215

Rosenberg, Irwin H., *Medicine* '61
University of Chicago Medical School
950 E. 59th St.
Chicago, Ill. 60637

Rosenberg, Mark L., *Medicine* '74
Enteric Disease Section
Bacterial Disease Division
Center for Disease Control
Atlanta, Georgia 30333

*Rosenberger, Peter B-B.
Associate Pediatrician
Associate Neurologist
M.G.H.

*Rosenblatt, Malcolm L.
Assistant in Psychiatry
L.M.H.C.

*Rosenblatt, Michael, *Medicine* '75
Clinical and Research Fellow in Medicine
M.G.H.

Rosenblatt, Richard M., *Anesthesia* '75
UCLA
Los Angeles, Calif. 90024

Rosenkrantz, Jens G., *Surgery* '61
Children's Hospital at Los Angeles
4650 Sunset Blvd.,
Los Angeles, Calif. 90054

Rosenman, Leonard D., *Surgery* '49
2320 Sutter St.,
San Francisco, Calif. 94115

Rosenthal, Albert L., *Dermatology* '56
1100 W. State St.,
Trenton, N.J. 08618

*Rosenthal, Murray K., *Children's* '62
Assistant in Pediatrics
1 Salem St.,
Wakefield, Mass. 01880

Rosenthal, Susan N., *Medicine* '74
1425 Portland Avenue
Rochester, N.Y. 14621

Roser, Steven M., *Oral Surgery* '71, *Surgery* '73
San Bernardino Medical Center
780 Gilbert Street
San Bernardino, Calif. 92404

*Rosow, Carl E.
2nd Year Resident in Anesthesia
M.G.H.

*Ross, Brian D.
Consultant in Medicine
M.G.H.

Ross, Jeffrey S., *Pathology* '73
Box 484
Moncreif Army Hospital
Fort Jackson, South Carolina 29207

Ross, Margaret S., *Children's* '76
McL.

*Ross, Jessica A.
1st Year Resident in Pathology
M.G.H.

*Ross, Ralph A.
Senior Pediatrician
300 Mt. Auburn St., Suite 412,
Cambridge, Mass. 02138

*Rossi-Fanelli, Filippo
Research Fellow in Surgery
M.G.H.

Roth, James L.A., *Medicine* '45
Presbyterian-University of
Pennsylvania Medical Center
Philadelphia, Penna. 19104

Roth, Sanford I., *Pathology* '58
University of Arkansas Medical Center
Little Rock, Ark. 72201

Rothberg, Harvey D., Jr., *Medicine* '59
253 Witherspoon St.
Princeton, N.J. 08550

*Rothman, Deborah
Graduate Student Assistant in Pediatrics
M.G.H.

*Rothman, Jonathan S.
2nd Year Resident in Psychiatry
M.G.H.

*Rothman, Kenneth
Consultant in Epidemiology
(Radiation Medicine)
H.S.P.H.

Rothstein, Peter T., *Anesthesia* '76
Yale New Haven Medical Center
New Haven, Conn. 06505

Rounds, Charles E., *Dentistry* '47
97 Columbian St.
South Weymouth, Mass. 02190

Rovit, Richard L., *Neurosurgery* '58
153 W. 11th St.,
New York, N.Y. 10011

*Rowe, Carter R., *Orthopaedics* '39
Senior Orthopaedic Surgeon
M.G.H.

Rowe, John C., *Medicine* '57
Box 52
Angwin, Calif. 95408

Rowland, Christopher Van A., Jr., *Psychiatry* '62
P.B.B.H.

*Rubenstein, Joel J.
Clinical Assistant in Medicine
M.G.H.

*Rubin, Lenore J.
Graduate Student Assistant
in Psychology (Psychiatry)
M.G.H.

*Rubin, Nina Tolkoff, *Medicine* '72
Associate Physician
M.G.H.

*Rubin, Robert H.
Assistant Physician
M.G.H.

Rubinstein, Jack H., *Children's* '55
University Affiliated Cincinati Center
for Developmental Disorders
Pavilion Building
Elland and Bethesda Aves.
Cincinnati, OH 45229

*Rubinstein, Joel F.
Assistant in Psychiatry
M.G.H.

*Ruboy, Jordon S., *Children's* '60
Assistant Pediatrician
Hillside Medical Park
W. Concord, Mass. 01742

Rudnick, Jeffrey P., *Radiology* '72
Emerson Hospital
Concord, Mass. 01742

Ruffin, Marshall deG., *Pathology* '40
5116 Rockwood Parkway, N.W.
Washington, D.C. 20016

Rukes, J. Max., *Medicine* '52
3905 Sacramento St.
San Francisco, Calif. 94118

Ruley, Henry B., *Neurosurgery* '39
Surgery '42
344 Louisiana Avenue
Oak Ridge, Tenn. 37830

Runyon, Robert C., *Orthopaedics* '64
C.H.M.C.

Rushforth, David J., *Radiology* '73
Jordan Hospital
Plymouth, Mass. 02360

*Ruskin, Jeremy N.
Clinical & Research Fellow in Medicine
M.G.H.

*Russell, Anthony H.
2nd Year Resident in Radiation Medicine
M.G.H.

*Russell, Paul S., *Surgery* '56
Visiting Surgeon
M.G.H.

*Russell, Robert G.
Consultant in Medicine
Dept. of Chemical Pathology
U. of Sheffield Medical School
Beach Hill Road, Sheffield S10
England

*Russell, William E.
2nd Year Resident on
the Children's Service
M.G.H.

Russfield, Agnes B., *Pathology* '51
34A Park Street
Brookline, Mass. 02146

*Rutan, James S.
Clinical Assistant in Psychology (Psychiatry)
M.G.H.

Rutherford, Robert N., *Surgery* '38
707 Broadway,
Seattle, Wash. 98122

Rutherford, Rondall W., *Children's* '33
21 Herrick Rd.
Newton Centre, Mass. 02159

Rutledge, Robb H., *Surgery* '57
901 S. Lake St.,
Fort Worth, Texas 76104

*Rutlen, David L.
Clinical and Research Fellow in Medicine
M.G.H.

*Rustein, David D.
Consultant in Preventive Medicine
H.M.S.

Rutter, Thomas, *Surgery* '49
533 Windsor Street
Medford, Oregon 97501

Ryan, James J., *Surgery* '71
Dept. of Plastic Surgery
Johns Hopkins Hospital
Baltimore, Md. 21205

Ryan, James P., *Dentistry* '53
9 South Main St.
Mechanicville, N.Y. 12118

*Ryan, John A., Jr., *Surgery* '74
Assistant in Surgery
M.G.H.

*Ryan, John F.
Anesthetist
M.G.H.

Ryan, Kenneth J., *Medicine* '54
Chief of Staff
B.H.W.

Ryan, Kevin G., *Medicine* '60
X-Ray, Woodland Clinic Medical Group
1207 Fairchild Court
Woodland, Calif. 95695

*Ryan, Russell L. R.
2nd Year Resident in Surgery
M.G.H.

Rymzo, Walter T., *Medicine* '75
Internists of Hyannis, Inc.
Yellow Brick Road
Hyannis, Mass. 02601

*Sabra, Amin F.
1st Year Resident in Neurology
M.G.H.

*Sachs, Benjamin
Clinical Associate in Pediatrics
B.H.H.C.

Sachs, David H., *Surgery* '70
N.I.A.M.D.
National Institutes of Health
Bethesda, Md. 20014

*Sacknoff, Eric, *Urology* '75
3rd Year Resident in Urology
M.G.H.

*Sadler, Alfred M., Jr.
2nd Year Resident in Medicine
M.G.H.

*Saef, Edward C.
Clinical Associate in Pediatrics
Hillside Medical Park, Baker Ave.
West Concord, Mass. 01742

*Safer, Paul K.
2nd Year Resident Surgery
M.G.H.

Saffer, S. David, *Neurology* '70
73 St. Patrick Road, Houghton
Johannesburg, South Africa

*Sagar, Kiran B.
Clinical and Research
Fellow in Medicine

*Sagar, Stephen M.
3rd Year Resident in Neurology
M.G.H.

Sahler, Otto DeP., *Radiology* '42
Mary Imogene Bassett Hospital
Cooperstown, N.Y. 13326

*Saide, Judith D.
Assistant in Biochemistry (Medicine)
M.G.H.

Saidi, Farrokh, *Surgery* '60
2 Koucheh Rezaieh Tajrish, Shemiran
Tehran, Iran

*St. Goar, Walter T., *Medicine* '52
Associate Physician
M.G.H.

*St. Onge, Richard A., *Orthopaedics* '75
Research Fellow in Orthopaedic Surgery
M.G.H.

*Sajdel-Sulkowska, Elizabeth M.
Research Fellow in Surgery
S.B.I.

*Saker, Barry M.
Visiting Fellow in Medicine
M.G.H.

*Salam, Maria V.Z.
Clinical Fellow in Neurology
M.G.H.

Salamanca, Juan J., *Anesthesia* '43
Calle 25A, No. 13A-35, Bogota, Columbia

*Salib, Philip I., *Orthopaedics* '64
Clinical Associate in Orthopaedic Surgery
One Hawthorne Place, Boston, Mass. 02114

Salisbury, Kent W., *Medicine* '70
Memorial Mission Hospital
509 Biltmore Avenue
Ashville, N.C. 28801

*Salvesen, Lawrence C.
Clinical Associate in Psychiatry
133 Salisbury Road
Brookline, Mass. 02146

*Salzman, Edwin W., *Surgery* '61
Consultant in Surgery
B.I.H.

*Samet, Jonathan M.
Clinical and Research Fellow in Medicine
M.G.H.

Samiy, Hussein E., *Medicine* '61
Iran Avenue #5
Teheran, Iran

*Sammons, William A.
3rd Year Resident on the Children's Service
M.G.H.

Sampson, D. Alan, *Radiology* '37
100 Church Road
Ardmore, Penna. 19003

Sampson, John J., *Medicine* '23
25 Scenic Way,
San Francisco, Calif. 94121

Sams, Bruce J., Jr., *Medicine* '58
2425 Geary Blvd.
San Francisco, Calif. 94115

*Samuels, David A., *Medicine* '75
Clinical and Research Fellow in Medicine
M.G.H.

*Samuels, Martin A., *Neurology* '74
3rd Year Resident in Neurology
M.G.H.

*Sanadi, D. Rao
Consultant in Medicine
Boston Biomedical Research Institute
20 Staniford Street,
Boston, Mass. 02114

*Sanchez, Guillermo C., *Medicine* '51
Associate Physician
1 Hawthorne Pl., Boston, Mass. 02114

*Sanders, Charles A.
Physician
General Director
M.G.H.

Sanders, Jay H., *Medicine* '69
6700 S.W. 132nd St.,
Miami, Fla. 33156

Sanders, R. Wyman, *Children's* '61
Kennedy Child Study Center
1339 20th Street
Santa Monica, Calif. 90404

Sandifer, Myron G., Jr., *Medicine* '49
University of Kentucky Medical Center
Lexington, Ky. 40506

*Sandler, Allan I., *Medicine* '58
Associate Physician
M.G.H.

*Sandstrom, Robert E.
3rd Year Resident in Pathology
M.G.H.

Santacruz, Abraham M., *Urology* '71
5 de Febrero 626-2, Mexico 13, D.F.

Santoro, Benjamin T., *Surgery* '62
1 Dover Rd.,
Dover, Mass. 02023

Saravia, Rafael, *Orthopaedics* '67
Calle 75A, #19-50, Bogota, Colombia

Sargent, Francis B., *Surgery* '20
124 Waterman St., Providence, R.I. 02906

*Sarris, S. Peter
Clinical Associate, Surgery
56 Broad St., Lynn, Mass. 01902

Sasahara, Arthur A., *Medicine* '57
V.A.H. (W.R.)

Saslow, George, *Psychiatry* '43
Veterans Administration Hospital
Sepulveda, Calif. 91343

Satin, David G., *Psychiatry* '60
Boston University School of Medicine
720 Harrison Ave., Boston, Mass. 02118

Satten, Neal R., *Children's* '76
212 Idris Road
Merion, Penn. 19066

*Sattler, Ann L.
2nd Year Resident on the Children's Service
M.G.H.

Saunders, Andrew P., *Surgery* '72
U.S. Army Hospital Okinana
APO San Francisco, Calif. 96331

Saunders, George M., *Surgery* '28
1200 S. Ocean Blvd.
Boca Raton, Fla. 33432

Saunders, Gordon A., *Medicine* '37
94 Pleasant St., Arlington, Mass. 02174

*Sauter, Jean F.
Research Fellow in Anesthesia
M.G.H.

*Savarese, John J.
Associate Anesthetist
M.G.H.

Savodnik, Irwin, *Psychiatry* '75
3811 O'Hara Street
Pittsburgh, Pa. 15261

Sawyer, Carl S., *Dermatology* '43
184 Waterman St., Providence, R.I. 20906

*Scannell, J. Gordon, *Surgery* '46
Visiting Surgeon
M.G.H.

Scardino, Peter T., *Surgery* '73
National Institutes of Health
Bethesda, M.D. 20014

*Sceery, Robert T., *Children's* '53
Associate Pediatrician
89 Ripley Rd., Cohasset, Mass. 02025

Schaaf, Royal S., *Medicine* '48
Prudential Insurance Company of America
Prudential Plaza, Newark, N.J. 07102

*Schachar, Norman S.
Clinical and Research Fellow in Orthopaedic Surgery
M.G.H.

Schaeffer, Allen H., *Medicine* '75
Johns Hopkins School of Medicine
725 North Wolfe Street
Baltimore, Md. 21205

*Schaffer, Derace L.
Chief Resident in Radiology
M.G.H.

Schaner, Everett G., *Radiology* '75
Department of Radiology
National Institutes of Health
Building 10, Rockville Pike
Bethesda, Md. 20014

Schantz, Arthur S., *Pathology* '71
West Jersey Hospital, Eastern Division
Voorhees, N.J. 08043

*Schapiro, Robert H., *Medicine* '63
Associate Physician
Zero Emerson Pl.,
Boston, Mass. 02114

*Schatzki, Richard
Consulting Visiting Radiologist
1180 Beacon St., Brookline, Mass. 02146

Schatzki, Stefan C., *Radiology* '60
1180 Beacon St.
Brookline, Mass. 02146

Schauble, James F., *Anesthesia* '67
University Hospital of San Diego County
223 W. Dickenson St.
San Diego, Calif. 92103

Schecter, William P., *Anesthesia* '75
19 Griffith Lane
Huntington, N.Y. 11743

Scheflan, Michael, *Surgery* '76
Beth Israel Medical Center
10 Perlman Place
New York, N.Y. 10003

*Scheinberg, Richard D.
Research Fellow in Orthopaedic Surgery
M.G.H.

Schenk, Worthington G., Jr., *Surgery* '46
164 Doncaster Road
Kenmore, N.Y. 14217

Schiebler, Gerold L., *Children's* '55, *Medicine* '56
University of Florida College of Medicine
Gainesville, Fla. 32610

*Schiller, Alan L., *Pathology* '71
Assistant Pathologist
M.G.H.

Schindelheim, Jonathan P., *Psychiatry* '76
N.E.M.C.H.

*Schlaen, Horacio H.
Clinical & Research Fellow in Surgery
M.G.H.

*Schlauch, Robert W.
Clinical Associate in Psychiatry
1805 Beacon Street
Brookline, Mass. 02146

*Schlesinger, David H.
Assistant in Biochemistry (Medicine)
M.G.H.

Schlessinger, Leslie D., *Medicine* '75
73 Sagamore Road
Millburn, N.J. 07041

Schmidek, Henry H.H., *Neurosurgery* '72
230 North Broad Street
Philadelphia, Pa. 19102

Schmidt, Robert A., *Anesthesia* '60
1205 Fairhaven Blvd.
Elm Grove, Wis. 53122

Schnabel, Truman G., Jr., *Medicine* '47
Philadelphia General Hospital
Philadelphia, Pa. 19104

Schneider, Benjamin, *Radiology* '47
19 Farfield Place,
Cincinnati, Ohio 45202

*Schneider, Robert C., *Anesthesia* '75
Assistant in Anesthesia
M.G.H.

Schneiderman, R. Neal, *Dermatology* '58
712 N. Washington St.
Dallas, Texas 75246

Schnur, James A., *Neurology* '72
P.B.B.H.

Schoen, Edgar J., *Children's* '54
Kaiser Foundation Hospital
Oakland, Calif. 94611

*Schoenen, Jean M.
Research Fellow in Neurology
M.G.H.

Scholl, Albert J., *Surgery* '17
1536 Club View Drive
Los Angeles, Calif. 90024

*Schoolnik, Gary K.
Chief Resident in Medicine
M.G.H.

Schott, Chester F., *Pathology* '75
Bureau of Biologies
Federal Drug Administration
National Institutes of Health
Building 29A
Bethesda, Md. 20014

*Schreier, Herbert A.
Clinical Associate in Psychiatry
East Boston Clinic
14 Porter Street
East Boston, Mass. 02128

*Schroder, Edward W.
Research Fellow in Medicine
M.G.H.

Schuler, James D., *Children's* '39
1010 14th Ave., N.W.
Ardmore, Okla. 73401

Schulman, Joseph D., *Children's* '68
National Institutes of Health
Bethesda, Maryland 20014

*Schulz, Milford D.
Consultant Visiting Radiation Therapist
(Radiation Medicine) M.G.H.

Schuster, Samuel R., *Surgery* '52
C.H.M.C.

*Schwartz, Allan
Clinical & Research Fellow in Medicine
M.G.H.

*Schwartz, Daniel P.
Consultant in Psychiatry
79 So. Pleasant Street
Amherst, Mass. 01002

*Schwartz, Dennis E.
Assistant in Biochemistry (Medicine)
M.G.H.

Schwartz, Gabriel H., *Medicine* '66
New York Hospital, 523 E. 68th St.
New York, N.Y. 10021

Schwartz, Harry C., *Oral Surgery* '74, *Surgery* '76
Southern California Permanente Medical Group
4900 Sunset Boulevard
Los Angeles, Calif. 90027

Schwartz, Jonathan M., *Anesthesia* '76
Indian Spring, Apt. 1
Route 1, Franklin, Tenn. 37064

*Schwartz, Joseph E.
Assistant Psychiatrist
M.G.H.

Scolnick, Edward M., *Medicine* '67
National Institutes of Health
Bethesda, Md. 20014

Scott, H. Denman, *Medicine* '71
51 Church Street
Bristol, R.I. 02809

*Scott, Gregory E.
Research Fellow in Surgery
M.G.H.

*Scott, James A.
1st Year Resident in Radiology
M.G.H.

*Scott, Jesse F.
Biologist (Medicine)
M.G.H.

*Scott, Mary D., *Pediatrics* '73
Assistant in Pediatrics
M.G.H.

Scott, Murray W., Jr., *Surgery* '45
Cleve-Tusc Bldg.
Canton, Ohio 44702

Scott, R. Michael, *Neurosurgery* '73
N.E.M.C.H.

Scott, Richard D., *Surgery* '69
Orthopaedic Surgery '74
R.B.B.H. and C.H.M.C.

Scott, Thornton, *Medicine* '39
1517 Nicholasville Rd.
Lexington, Ky. 40503

Scott, William C. II, *Surgery* '76
c/o Heart & Lung Institute
National Institute of Health
Bethesda, M.D. 20243

Scruggs, Karen L., *Children's* '75
Washington University Medical Center
660 South Euclid Avenue
St. Louis, Mo. 63110

*Scully, Robert E.
Pathologist
M.G.H.

Seals, John R., *Neurology* '70
Pediatric Neurology
University of Texas Medical School
San Antonio, Texas 78284

Seaman, William E., *Medicine* '75
V.A. Hospital
Rheumatology Section
4150 Clement Street
San Francisco, Calif. 94121

Sears, John B., *Surgery* '29
790 Boylston Street
Boston, Mass. 02119

*Sederer, Lloyd I.
Assistant in Psychiatry
M.G.H.

*Sedlacek, Robert S.
Assistant in Biology in Radiation Medicine
M.G.H.

Seebacher, Jurgen, *Anesthesia* '75
1556 Shore Club Drive
St. Claire Shores, Mich. 48080

Seed, John C., *Medicine* '46
40 Graham Rd.,
Scarsdale, N.Y. 10583

Seeley, Clinton B., *Radiology* '60
358 N. Main St.,
Andover, Mass. 01811

*Seeman, Robert G.
Clinical and Research Fellow in Anesthesia
First Year Resident in Anesthesia
M.G.H.

*Segre, Gino V.
Assistant Physician
M.G.H.

Seigle, Stewart P., *Medicine* '46
85 Jefferson St.,
Hartford, Conn. 06103

Seiler, Rolf W., *Neurology* '73
Florastr. 9,9230 Flawil
Switzerland

*Seinsheimer, Frank III
3rd Year Resident in Orthopaedic Surgery
M.G.H.

*Selden, Steven E.
1st Year Resident in Orthopaedic Surgery
M.G.H.

*Seldin, Edward B., *Oral Surgery* '72
Assistant Oral Surgeon
Consultant in Radiation Medicine (Oral Surger
M.G.H.

*Selinger, Samuel L.
Chief Resident in Surgery
M.G.H.

Sell, Stewart, *Pathology* '62
Univ. California, San Diego Medical School
La Jolla, California 92037

Sellers, Edward M., *Medicine* '72
Addiction Research Foundation
33 Russell Street, Toronto
Ontario, Canada M5S2S1

*Selter, Lawrence F.
1st Year Resident in Psychiatry
M.G.H.

Seltzer, Ronald A., *Radiology* '66
Sequoia Hospital
Redwood City, Calif. 94062

*Selwyn, Adrian S.
Clinical Associate in Anesthesia
M.G.H.

Senghas, Richard E., *Orthopaedics* '61
40 Evergreen St.
Framingham, Mass. 01701

*Senior, Boris, *Children's* '50
Consultant in Pediatrics
N.E.M.C.H.

Severson, Larry J., *Radiology* '71
3189 Diamond Head Road
Honolulu, Hawaii 96815

Sewall, Warren, *Radiation Medicine* '73
Crozer-Chester Medical Center
Chester, Penna. 19013

Sewell, Jack B., *Radiology* '73
Sarasota Memorial Hospital
1901 Arlington Street
Sarasota, Fla. 33579

*Shaban, Mohammed Abd
Assistant Biochemist in Medicine
M.G.H.

*Shafer, Linda C.
3rd Year Resident in Psychiatry
M.G.H.

Shaffer, Frederick G., *Urology* '55
Surgery '56
1343 Locust Ave.
Fairmont, W. Va. 26554

Shaffer, Hubert A., *Radiology* '32
Monongalia General Hospital
Morgantown, W. Va. 26504

*Shahani, Bhagwan T.
Assistant Neurologist
M.G.H.

*Shahian, David M.
4th Year Resident in Surgery
M.G.H.

*Shale, John H.
2nd Year Resident in Psychiatry
M.G.H.

*Shama, Steven K.
3rd Year Resident in Dermatology
M.G.H.

*Shamberger, Robert C.
2nd Year Resident in Surgery
M.G.H.

Shamsey, Robert J., *Pediatrics* '73
355 South Shore Drive
Sarasota, Fl. 33580

*Shannon, Daniel C., *Children's* '65
Pediatrician
M.G.H.

Shannon, James G., *Orthopaedics* '31
1414 Drummond Medical Bldg.
Montreal, Canada

*Shannon, James M., *Surgery* '54
Clinical Associate in Surgery
79 Highland Ave., Salem, Mass. 01970

*Shapiro, Robert W.
Clinical Associate in Psychiatry
M.G.H.

*Sharpiro, Stuart H., *Radiology* '75
Clinical Associate in Radiology
P.B.B.H.

*Sharp, Geoffrey W.G.
Associate Biologist (Medicine)
M.G.H.

Shaw, Edward B., *Children's* '24
University of California School of
Medicine, San Francisco, Calif. 94143

Shaw, John L., *Surgery* '35, *Urology* '37
899 Madison Ave., Memphis, Tenn. 38103

*Shaw, Lein-Chua
Clinical and Research Fellow in Anesthesia
M.G.H.

Shaw, Joseph L., *Orthopaedics* '66
2475 Pacific Ave.
San Francisco, Calif. 95126

*Shay, Jonathan
Assistant in Neuropathology
(Neurosurgery)
M.G.H.

Shea, Cornelius J., *Surgery* '43
2100 Dorchester Ave.
Boston, Mass. 02124

*Shea, Thomas E., *Radiology* '67
Clinical Associate in Radiology
Beverly Hospital, Beverly, Mass. 01915

Sheagren, John N., *Medicine* '64
13313 Glen Mill Rd.,
Rockville, Md. 20850

Shean, Frederic C., *Medicine* '70
461 Hidden Pines Lane
Delmar, Calif. 92014

*Sheehan, David V., *Psychiatry* '75
Assistant Psychiatry
M.G.H.

*Sheets, Walter C.
1st Year Resident in Anesthesia
M.G.H.

*Sheffer, Albert L.
Clinical Associate in Pediatrics
110 Francis Street
Boston, Mass. 02215

Sheldon, Charles P., *Surgery* '31
Box 113 Georgetown
Putnam County, Florida 32039

Sheldon, David B., *Surgery* '55
459 W. Line St.,
Bishop, Calif. 93514

*Shelton, William R.
Assistant in Psychiatry
575 Mt. Auburn St.
Cambridge, Mass. 02138

*Shershow, John C.
Assistant Psychiatrist
M.G.H.

Sherwood, Geoffrey K., *Medicine* '73
Duke Univ. Medical Center
Durham, N.C. 27710

*Shetter, Andrew G.
Clinical & Research Fellow in Neurosurgery
M.G.H.

Shields, Lawrence T., *Orthopaedics* '68
P.B.B.H.

*Shiffman, Norman J.
3rd Year Resident in Dermatology
M.G.H.

*Shih, Vivian
Assistant Neurologist
M.G.H.

Shine, Kenneth I., *Medicine* '66
2437 Westridge Road
Los Angeles, Calif. 90049

Ship, Irwin I., *Dentistry* '57
Philadelphia General Hospital
Philadelphia, Pa. 19104

Shipley, Margaret S., *Medicine* '43
1109 Sunset Blvd.
North Canton, Ohio 44720

*Shipley, William U., *Surgery* '71
Assistant Radiation Therapist in
Radiation Medicine
M.G.H.

Shirley, J. Newton, *Surgery* '18
Chestnut St.
South Duxbury, Mass. 02374

*Shklar, Gerald
Consultant in Oral Pathology
(Oral Surgery)
H.S.D.M.

Shoaps, Keith B., *Anesthesia* '75
Lawrence General Hospital
1 General Street
Lawrence, Mass. 01842

*Shore, Neil S.
Clinical Associate in Medicine
M.G.H.

Shorey, William D., *Surgery* '50
1442 North Astor St.
Chicago, Ill. 60610

*Short, Charles L., *Medicine* '33
Senior Physician
264 Beacon St., Boston, Mass. 02116

*Shortliffe, Edward H.
1st Year Resident (Intern) in Medicine
M.G.H.

Shortsleeve, Michael J., *Radiology* '76
Mt. Auburn Hospital
Cambridge, Mass. 02138

Shugar, Joseph L., *Orthopaedics* '50
Jewish General Hospital
Montreal, Quebec, Canada

Shulman, Leonard A., *Pediatrics* '73
3111 Lomita Boulevard
Torrance, Calif. 90505

*Shulman, Leonard B., *Dental Medicine* '62
Clinical Associate in Oral Surgery
976 Main St., Waltham, Mass. 02154

*Shurin, Susan B.
Clinical & Research Fellow in Medicine
M.G.H.

Shurtleff, David B., *Children's* '57
University of Washington School of
Medicine, Seattle, Wash. 98105

Shuter, Eli R., *Neurology* '62
St. Louis University
1221 South Grand Blvd.
St. Louis, Missouri 63104

*Sidman, Murray
Psychologist, Neurology
Fernald State School
Waltham, Mass. 02154

Sidman, Richard L., *Neurology* '56
40 Harvard Avenue
Brookline, Mass. 02146

Siegel, Mark, *Anesthesia* '76
165 West Canton Street
Boston, Mass. 02118

*Siever, Larry J.
Clinical Fellow in Psychiatry
McL

*Sifneos, Peter E., *Psychiatry* '52
Consultant in Psychiatry
B.I.H.

*Sigelman, David R.
Clinical Associate in Pediatrics
1767 Northampton Street
Holyoke, Mass. 01040

Silber, G. Gershon, *Psychiatry* '76
Director of Outpatient Services
V.A. Hospital
Tucson, Ariz. 85723

Silbermann, Neil N., *Pathology* '75
M.E.E.I.

*Silver, Donald M.
Assistant in Immunology (Surgery)
M.G.H.

*Silver, Marcia R.
2nd Year Resident in Medicine
M.G.H.

*Silverberg, Elizabeth L.
Clinical and Research Fellow in Psychology
(Psychiatry)
M.G.H.

*Silverman, Samuel
Associate Psychiatrist
106 Jordan Road
Brookline, Mass. 02146

*Silverstein, Peter R.
Clinical Associate in Anesthesia
M.G.H.

Silverstein, Samuel C., *Medicine* '68
Dept. of Immunology, Rockefeller
University, York Ave. & 66th Street
New York, N.Y. 10021

*Simeone, Fiorindo A., *Surgery* '40
Consultant in Surgery
The Miriam Hospital, 104 Summit Ave.
Providence, R.I. 02906

*Simmons, Alvin J.
Associate Psychologist (Psychiatry)
Director of Health
Municipal Building, City Hall
New Bedford, Mass. 02740

Simmons, Barry P., *Orthopaedic Surgery* '73
Brigham Orthopaedic Associates
P.B.B.H.

*Simmons, David P., *Orthopaedic*
Assistant in Orthopaedic Surgery
412 Beacon St.
Boston, Ma. 20116

*Simmons, Jeffrey L.
3rd Year Resident in Psychiatry
M.G.H.

Simon, Harold, *Radiology* '61
111 Hammondswood Rd.
Chestnut Hill, Mass. 02167

*Simon, Harvey B., *Medicine* '69
Assistant Physician
M.G.H.

Simon, Royal L., *Orthopaedics* '32
2816 NE 37th Court
Fort Lauderdale, Fla. 33308

Simon, Sheldon, *Orthopaedics* '70
C.H.M.C.

Simone, Andrew A., *Dermatology* '68
444 Delaware Ave.
Toronto, 4, Ontario, Canada

*Simons, Laurence A.
Clinical Associate in Anesthesia
7 Barnsley Road
Lynnfield, Mass. 01940

*Simpson, Paul C., Jr., *Medicine* '72
Clinical & Research Fellow in Medicine
M.G.H.

Sinclair, Edmond B., *Children's* '40
176 Evergreen St.
Providence, R.I. 02906

Sinclair, Stephen H., *Surgery* '74
M.E.E.I.

*Siner, Myron
Clinical Associate in Pediatrics
3 Seaward Rd., Wellesley Hills, Mass. 02181

Singer, Kenneth M., *Orthopaedic Surgery* '72
750 East 11th Ave.
Eugene, Oregon 97401

Singh, Madan M., *Medicine* '56
Institute of Medical Science
New Delhi, India

Singleton, John W., *Medicine* '62
University of Colorado Medical Center
Denver, Colo. 80220

Siperstein, Marvin D., *Medicine* '55
Veterans Administration Hospital
4150 Clement
San Francisco, Calif. 94121

*Sirota, Ronald L.
3rd Year Resident in Pathology
M.G.H.

*Sisson, John H.
Assistant Physician
One Hawthorne Pl., Boston, Mass. 02114

*Sites, Vincent R., *Radiology* '74
Clinical Associate in Radiology
Suburban Radiological Associates
16 Clarke Street
Lexington, Mass. 02173

Skinner, Alfred L., Jr., *Children's* '53
3626 78th Ave., S.E.
Mercer Island, Wash. 98040

Skinner, Donald G., *Surgery* '65, *Urology* '71
321-24th St.,
Santa Monica, Calif. 90402

Skinner, James C., *Psychiatry* '48
B.U.H.

Skinner, Mary D., *Dermatology* '69
N.E.M.C.H.

Skoblar, Richard S., *Radiology* '75
Akron General Medical Center
400 Wabash Avenue
Akron, Ohio 44307

Slater, Barbara L., *Anesthesia* '68
38 Cremorne Road
Cremorne Point
Sydney, N.S.W., Australia

*Slater, Eliot M., *Anesthesia* '60
Clinical Associate in Anesthesia
60 Lewis Road
Swampscott, Mass. 01907

*Slater, Eve. E.
Assistant in Medicine
M.G.H.

*Sledge, Clement B., *Orthopaedics* '62
Honorary Orthopaedic Surgeon
R.B.B.H.

*Sleeper, Edward L.
Clinical Associate, Oral Surgery
68 Leonard Street, Belmont, Mass. 02178

Sloane, Robert B., *Psychiatry* '53
USC School of Medicine
1934 Hospital Place
Los Angeles, Calif. 90033

*Sloane, Robert E.
Clinical Associate in Surgery
Lynn Hospital
Lynn, Mass. 01904

Sloane, Robert W., Jr., *Surgery* '75
800 South 8th Avenue
Suite 318
Fort Worth, Texas 76104

*Slocum, Harvey C., Jr.
3rd Year Resident in Anesthesia
M.G.H.

*Slotnick, Bennett S.
Clinical Assistant in Psychology
(Psychiatry) L.M.H.C.

*Slovik, David M., *Medicine* '74
Clinical and Research Fellow in Medicine
M.G.H.

*Slovik, Lois S., *Pediatrics* '74
3rd Year Resident in Psychiatry
M.G.H.

*Smead, William L., *Surgery* '75
Assistant in Surgery
M.G.H.

Smillie, John W., *Surgery* '45
326 N. Ingalls St.
Ann Arbor, Mich. 48104

*Smith, Arlan R.
Research Fellow in Surgery
M.G.H.

*Smith, Barry H.
2nd Year Resident in Neurosurgery
Neurosciences Research Program
Brookline, Mass. 02146

Smith, Bruce M., *Surgery* '76
Duke University School of Medicine
Durham, N.C. 27710

Smith, Charles M., *Orthopaedics* '68
36 S. El Camino #303
San Mateo, Calif. 94401

Smith, Curtis E., *Medicine* '19, *Surgery* '21
490 Post St., San Francisco, Calif. 94102

Smith, Daniel H., *Surgery* '75
Women's Hospital
Room L1009, 1240 North Mission Road
Los Angeles, Calif. 90033

Smith, Edward T., *Orthopaedics* '37
6410 Fannin St.,
Houston, Texas 77025

*Smith, Gene M.
Psychologist, Anesthesia
Psychologist, Psychiatry
M.G.H.

*Smith, Gerald N., Jr.,
Assistant in Biolgoy (Medicine)
M.G.H.

Smith, Howard W., *Dentistry* '46
100 York St., New Haven, Conn. 06511

*Smith, J. Walter
2nd Year Resident in Medicine
M.G.H.

*Smith, James C.
Assistant in Radiology
M.G.H.

Smith, Joseph A., *Orthopaedics* '76
Faulkner Hospital
Jamaica Plain, Mass. 02130

*Smith, Judson A.
Board of Consultation
624 Dedham St.
Newton Centre, Mass. 02159

Smith, Lloyd H., Jr., *Medicine* '56
University of California Hospitals
San Francisco, Calif. 94122

Smith, Marion L., *Anesthesia* '51
Mid-State Medical Center
Nashville, Tenn. 37203

Smith, N. Tyl, *Anesthesia* '60
Univ. Hospital, 225 W. Dickenson St.
San Diego, Calif. 92103

Smith, Raphael F., *Medicine* '65
Vanderbilt University School of Medicine
Nashville, Tenn. 37203

Smith, R. Graham, *Medicine* '69
National Cancer Institute
Bethesda, Md. 20014

*Smith, Raymond A.
Research Fellow in Anesthesia
M.G.H.

Smith, Richard H., *Psychiatry* '58
Children's Psychiatric Ctr., Inc.
59 Broad Street
Eatontown, N.J. 07724

*Smith, Richard J.
Visiting Orthopaedic Surgeon
M.G.H.

Smith, Richard M., *Medicine* '09
401 Beacon St.,
Boston, Mass. 02115

*Smith, Richard W.
Assistant Immunologist
(Radiation Medicine)
M.G.H.

Smith, Robert S., *Pathology* '73
1207 Valley Hill Drive
Lakeland, Fla. 33803

*Smith, Thomas W., *Medicine* '67
Consultant in Medicine
P.B.B.H.

*Smith, Thomas William
1st Year Resident in Radiology
M.G.H.

Smith, W. Pierce, *Medicine* '56
Henry Ford Hospital
Detroit, Mich. 48202

Smitherman, Thomas C., *Medicine* '69
Dallas V.A. Hospital
4500 So. Lancaster Road
Dallas, Texas 75216

*Smithwick, Reginald H., *Surgery* '28
Consultant in Surgery
151 Beacon Lane
Jupiter, Fla. 33458

*Snapper, James R.
Clinical Fellow in Medicine
M.G.H.

Sneddon, Ernest A., *Anesthesia* '54
Beverly Hospital,
Beverly, Mass. 01915

*Snider, Michael T.
Assistant in Anesthesia
M.G.H.

Snodgrass, Samuel R., *Medicine* '67
C.H.M.C.

*Snowden, John M.
Research Fellow in Surgery
S.B.I.

*Snyder, Benson R.
Honorary Psychiatrist
M.I.T.

Snyder, John C., *Medicine* '39
H.S.P.H.

Snyder, Monica H., *Anesthesia* '35
121 Whipple Rd., Kittery, Me. 03904

Snyder, William H., Jr., *Surgery* '35
121 Whipple Rd.,
Kittery, Me. 03904

*Sobel, Michael V.
Clinical Associate in Medicine
M.G.H.

*Sober, Arthur J., *Dermatologist* '74
Assistant Dermatologist
M.G.H.

Sober, Stanley, *Orthopaedics* '53
452 Victoria St.
London, Ontario, N5Y4A9, Canada

*Sohier, W. Davies, *Medicine* '51
Associate Physician
One Hawthorne Place
Boston, Mass. 02114

Soholt, Stanley T., *Orthopaedics* '51
2950 Whipple Ave.
Redwood City, Calif. 94062

*Sokol, Gerald H.
Research Fellow in Medicine
M.G.H.

Solis, Oscar J., *Radiology* '76
Apartado Postal 1814
Maracaibo, Venezuela

*Solomon, Earl G.
Consultant in Psychiatry
M.G.H.

*Solomon, Harry C.
Honorary Neurologist
55 Lochstead Avenue
Jamaica Plain, Mass. 02130

Solomon, James, *Neurology* '44
11600 Wilshire Blvd.
Los Angeles, Calif. 90025

*Solomon, Leslie J.
Clinical Fellow in Psychology (Psychiatry)
M.G.H.

*Soloway, Albert H.
Consultant in Chemistry, Neurosurgery
4 Cochituate Road
Newton Highlands, Mass. 02161

*Somand, Michael E.
Clinical & Research Fellow in Medicine
M.G.H.

*Sonn, Miriam R.
Assistant in Sociology (Psychiatry)
M.G.H.

*Soriero, Olive M.
Assistant in Gynecology
M.G.H.

Sosa, Dagoberto, *Neurosurgery* '59
11 Calle 2037, Zone 1
Guatemala City, Guatemala

Sosman, John L., *Radiology* '52
R.B.B.H.

*Soter, Nicholas A., *Dermatology* '69
Clinical Associate in Dermatology
R.B.B.H.

*Souder, Daniel E.
Clinical Assistant in Medicine
M.G.H.

Soule, A. Bradley, Jr., *Radiology* '32
Mary Fletcher Hospital
Burlington, Vt. 05401

Southmayd, William W., *Surgery* '70
New England Baptist Hospital
91 Parker Hill Avenue
Boston, Mass. 02111

Southwick, Frederick S., *Medicine* '76
B.C.H.

*Soutter, Lamar, *Surgery* '41
Consultant in Surgery
680 Sudbury Road, Concord, Mass. 01742

Sox, Harold C., Jr., *Medicine* '68
Department of Medicine
Stanford University School of Medicine
Stanford, Calif. 94305

Soyke, Lester F., *Children's* '63
Dept. of Pharmacology, U. of Vermont
Burlington, Vt. 05401

Spalding, Robert, *Psychiatry* (McL) '60
16 Ashland Terrace
Chattanooga, Tenn. 37415

Spangler, Paul E., *Surgery* '25
3107 Flora St.
San Luis Obispo, Calif. 93401

Spann, James F., Jr., *Medicine* '63
Temple University Health Sciences Center
3400 North Broad Street
Philadelphia, Pa. 19140

Sparling, P. Frederick, *Medicine* '64
University of North Carolina Medical
School, Chapel Hill, N.C. 27514

*Speare, George S., *Surgery* '27
Consultant in Surgery
26 Brackett Road
Newton, Mass. 02158

*Spellman, John W., *Surgery* '26
Consultant in Surgery
23 Fairgreen Place
Chestnut Hill, Mass. 02167

Spence, Harry M., *Surgery* '32, *Urology* '34
4105 Live Oak St., Dallas, Texas 75221

*Spence, Richard J.
Clinical Assistant, Oral Surgery
Fernald State School
Waltham, Mass. 02154

Spencer, Jack, *Radiology* '34
18 Brenton Wood Avenue
Barrington, R.I. 02806

Spencer, Richard E., *Anesthesia* '51
Moses H. Cone Memorial Hospital
Greensboro, N.C. 27402

*Sperk, Gunther J.
Research Fellow in Psychiatry
M.G.H.

Sphire, Raymond D., *Anesthesia* '55
Detroit Memorial Hospital
1420 St. Antoine, Detroit, Mich. 48226

Spiegel, Allen M., *Medicine* '73
c/o Dr. G. Aurbach
Mineral Metabolism Branch
MIAMD, Bethesda, Md. 20014

Splithoff, Clarence A., *Orthopaedics* '42
485 34th St., Oakland, Calif. 94609

*Sprince, Nancy L.
Clinical Assistant in Medicine
M.G.H.

*Squire, Lucy F., *Radiology* '44
Consultant in Radiology
State University of New York
450 Clarkson Avenue
Brooklyn, N.Y. 11203

*Squires, Homer J.
Assistant Podiatrist, Orthopaedic Surgery
306 Washington Street
Abington, Mass. 02351

*Streter, Frank A.
Associate Biochemist (Neurology)
20 Staniford Street
Boston, Mass. 02114

*Stachiewicz, Danuta M.
Associate Psychiatrist
M.G.H.

*Stakes, John W. III
3rd Year Resident in Medicine
M.G.H.

*Stalvey, Harold D.
Clinical Associate in Psychiatry
M.G.H.

*Stanbury, John B., *Medicine* '48
Honorary Physician
M.I.T.

Stanski, Donald R.
1131 West Hillsdale Boulevard
San Mateo, Calif. 94403

*Stanton, Alfred H.
Consultant in Psychiatry
McL.

Staples, O. Sherwin, Jr., *Orthopaedics* '38
Hitchcock Clinic, Hanover, N.H. 03755

*Stark, Paul
Assistant in Radiology
M.G.H.

Starke, Rodman D., *Medicine* '60
45 Castro Street, Suite 302
San Francisco, Calif. 94114

*Starobin, Oscar E., *Medicine* '56
Clinical Associate, Medicine
130 Lincoln Street
Worcester, Mass. 01605

Starr, Isaac, *Medicine* '22
University of Pennsylvania School of Medicine, Philadelphia, Pa. 19104

States, John D., *Orthopaedics* '55
15 Prince St.,
Rochester, N.Y. 14607

*Staub, Edward M.
Clinical Fellow in Orthopaedic Surgery
M.G.H.

Stead, Nancy W., *Medicine* '72
B.I.H.

Steele, Byron W., Jr., *Surgery* '52
514 Warren Professor Bldg.
6465 South Yale St.,
Tulsa, Okla. 74135

Steele, Robert E., Jr., *Orthopaedic Surgery* '71
560 N.W. Tyler,
Corvallis, Oregon 97330

*Steeves, Philip E.
Clinical Associate in Radiology
M.G.H.

Steinbaum, Lola S., *Medicine* '72
18000 Skyline
Woodside, Calif. 94602

*Steinberg, Robert S., *Orthopaedic Surgery* '74
Clinical Associate in Orthopaedic Surgery
M.G.H.

Steiner, Robert W., *Medicine* '74
Harrington Hospital
Southbridge, Mass. 01550

Steinman, Ralph M., *Medicine* '70
Rockefeller Univ.,
New York, N.Y. 10021

*Stempien, J. Henry, *Dental Medicine* '61
Visiting Oral Surgeon
332 Washington St.
Wellesley Hills, Mass. 02181

*Stene, John K., Jr.
3rd Year Resident in Anesthesia
M.G.H.

Stenger, Richard J., *Pathology* '58
Director of Pathology and Laboratories
Beth Israel Medical Center
10 Nathan D. Perlman Place
New York, N.Y. 10003

*Stephens, Duane D.
3rd Year Resident in Medicine
M.G.H.

Stephens, William A., *Orthopaedics* '43
Rt. 3 Box 250, Chesterfield, Mo. 63017

Stephens, Willie L., *Oral Surgery* '76
3641 Sacramento Street
Suite E.
San Francisco, Calif. 94118

*Stephenson, Mary L.
Assistant Biochemist, Medicine
M.G.H.

Stern, Newton S., *Medicine* '17
910 Madison Ave.,
Memphis, Tenn. 38103

*Stern, Peter J.
3rd Year Resident in Orthopaedic Surgery
M.G.H.

Stern, Robert S., *Dermatology* '74
Clinical Fellow in Dermatology
M.G.H.

*Stern, Theodore A.
1st Year Resident in Psychiatry
M.G.H.

*Sternberg, Marc E.
2nd Year Resident Pathology
M.G.H.

Stetson, John B., *Anesthesia* '53
1057 Buena Road
Lake Forest, Ill. 60045

Stetson, Richard P., *Medicine* '28
V.A. Hospital (OOB)
150 So. Huntington Ave.
Boston, Mass. 02130

Stewart, David R., *Surgery* '71
Chief, Division of Pediatric Surgery
Kansas University Medical Center
Rainbow Boulevard at 39th Street
Kansas City, Kans. 66103

Stewart, James M., *Medicine* '46
344 West Ave.,
Rochester, N.Y. 14611

Stewart, John E., *Orthopaedics* '47
1120 Cherry St.,
Seattle, Wash. 98104

Stewart, Michael M., *Medicine* '69
c/o Rockefeller Foundation
G.P.O. 2453, Bangkok, Thailand

*Stewart, Rege S., *Psychiatry* '75
Clinical Assistant in Psychiatry
B.H.H.C.

*Stewart, Robert M., *Neurology* '74
Clinical Assistant in Neurology
M.G.H.

Stewart, Steele F., *Orthopaedics* '21
45090 Namoku Street
Kaneohe, Hawaii 96744

*Stewart, Thomas D., *Psychiatry* '72
Clinical Associate in Psychiatry
V.A.H. (W.R.)

Stewart, William G., Jr., *Surgery* '61
The Bryn Mawr Hospital
Byrn Mawr, Pa. 19010

Stiefel, Daniel M., *Orthopaedics* '23
1553 Woodward Avenue
Detroit, Mich. 48226

Stiff, Donald W.S., *Radiology* '50
480 Monterey Ave.,
Los Gatos, Calif. 95030

Stifler, Richard B., *Psychiatry* '74
23 Belair Road
Wellesley, Mass. 02181

Stiles, Claire M., *Anesthesia* '62
Rancho Los Amigos Hospital
7601 East Imperial Highway
Downey, Calif. 90242

Stinchfield, Alan J., *Orthopaedics* '49
16 E. Chestnut St.,
Augusta, Maine 04332

*Stinson, Thomas W. III
1st Year Resident in Anesthesia
M.G.H.

*Stock, Joseph R.
2nd Year Resident in Radiology
M.G.H.

Stocks, Joseph F., *Children's* '61
R.F.D. #1 Trudy Rd.
Cape Elizabeth, Maine 04107

Stoddard, James K., *Medicine* '17
Foulkeway,
Gwynedd, Pa. 19436

*Stoddard, Lawrence T.
Associate Psychologist, Neurology
W.E. Fernald State School
200 Trapelo Road
Waltham, Mass. 02154

*Stoeckle, John D., *Medicine* '51
Physician
M.G.H.

*Stoffyn, Anne Marie
Assistant Biochemist in Neurology
Shriver Center
200 Trapelo Road
Waltham, Mass. 02154

*Stoffyn, Pierre J.
Biochemist in Neurology
Shriver Center
200 Trapelo Road
Waltham, Mass. 02154

Stokes, Joseph III, *Medicine* '54
Dept. of Community Medicine
UCSD M007
La Jolla, Calif. 92093

Stolman, Joseph M., *Dentist'y* '56
60 Gillett St., Hartford, Conn. 06105

*Stone, Alan A.
Consultant in Psychiatry
Harvard University, Cambridge, Mass. 02138

*Stone, Bartlett H.
Clinical Associate in Obstetrics
& Gynecology
110 Francis St., Boston, Mass. 02215

Stone, Bernard B., *Neurosurgery* '55
65 Elm St., Worcester, Mass. 01609

*Stone, Jeffrey D., *Surgery* '75
3rd Year Resident in Oral Surgery
M.G.H.

Stone, Lawrence B., *Radiology* '74
North Side Radiology Association
Suite 100, 3312 Piedmont Road, N.E.
Atlanta, Georgia 30305

*Stossel, Thomas P., *Medicine* '69
Assistant Physician
M.G.H.

Stout, Hugh A., *Pathology* '38
1211 N. Shartel Street
Oklahoma City, Ok 73103

Straehley, Clifford J., Jr., *Surgery* '53
Kaiser Permante Medical Group
1697 Ala Moana Blvd.
Honolulu, Hawaii 96815

Strauss, Arthur E., *Medicine* '16
6833 Waterman Ave.
St. Louis, Mo. 63130

*Strauss, Gary M.
3rd Year Resident in Medicine
M.G.H.

*Strauss, Harry W.
Associate Radiologist
M.G.H.

Strayer, Luther M., Jr., *Orthopaedics* '39
P.O. Box 366
Lancaster, N.H. 03584

*Strickler, William L., *Surgery* '57, *Urology* '63
Assistant in Urology
John Cuming Medical Bldg.
Concord, Mass. 01742

*Strieder, Denise J.
Clinical Associate in Medicine
M.G.H.

*Strocchi, Paola
Research Fellow in Psychiatry
M.G.H.

*Strole, William E., Jr., *Medicine* '63
Assistant Physician
Zero Emerson Pl.,
Boston, Mass. 02114

Strom, John O., *Neuropathology* '55
150 Lloyd Ave.,
Providence, R.I. 02906

Stulberg, S. David, *Orthopaedic Surgery* '74
University of Chicago Hospital & Clinics
950 East 59th Street
Chicago, Ill. 60637

Stunkard, Albert J., *Medicine* '46
Stanford University Medical Center
Stanford, Calif. 94305

Sturgis, Somers H., *Surgery* '33
47 Raymond Street
Cambridge, Mass. 02140

*Suaudeau, Jacques
Research Fellow in Surgery
M.G.H.

Suescum, Alfredo T., *Psychiatry* '67
Clinica San Fernando
Aptdo, 363
Panama 9A, Panama

*Suit, Herman D.
Chief, Radiation Medicine
M.G.H.

Sujatanond, Manit, *Neurosurgery* '74
Department of Surgery
Siriraj Hospital
Bangkok 7, Thailand

Sullivan, Eugene R., *Pathology* '37
Medicine '41
139 Adams St.,
Milton, Mass. 02187

Sullivan, Francis J., *Radiology* '74
St. Elizabeth's Hospital
Brighton, Mass. 02135

Sullivan, Philip H., *Psychiatry* '70
Tulane Medical School
1430 Tulane Ave.
New Orleans, La. 70112

*Sullivan, Philip R.
Clinical Associate in Psychiatry
350 Beacon Street
Boston, Mass. 02116

Sullivan, William H., *Orthopaedics* '65
85 Park St.,
Stoughton, Mass. 02072

Summerall, Charles P. III, *Medicine* '57
Medical College Hospital
55 Doughty St.,
Charleston, S.C. 29403

*Summers, Anne O.
Assistant in Bacteriology (Medicine)
M.G.H.

*Sun, Edward R., *Radiology* '72
Clinical Associate in Radiology
M.G.H.

*Sundaram, Pennathur
Assistant Anesthetist
M.G.H.

*Surman, Owen S., *Psychiatry* '72
Assistant in Psychiatry
M.G.H.

Susman, Morris H., *Orthopaedic Surgery* '73
500 Clermont Parkway
Denver, Colorado 80220

Sutherland, Donald W., *Medicine* '60
2455 N.W. Marshall St.
Portland, Ore. 97219

Sutphen, John H., *Radiology* '72
35 Front St.
Noank, Conn. 06340

Sutphin, Adney K., *Medicine* '46
1805 Monument Ave.
Richmond, Va. 23220

Suyama, Eji, *Surgery* '55
Maine Coast Memorial Hospital
Ellsworth, Maine 04605

*Suzuki, Shigeo
Visiting Fellow in Biochemistry (Medicine)
M.G.H.

*Swann, David A.
Assistant Biochemist (Surgery)
S.B.I.

*Swartz, Morton N., *Medicine* '53
Physician
Chief, Infectious Disease Unit
M.G.H.

Sweat, R. Earle, *Surgery* '65
1188 Montgomery Drive
Santa Rosa, Calif. 95405

Sweeny, Donald N., Jr., *Surgery* '43
8445 E. Jefferson St.
Detroit, Mich. 48214

Sweet, Elliott B., *Orthopaedics* '54
85 Jefferson St.,
Hartford, Conn. 06103

Sweet, Robert B., *Anesthesia* '50
University Hospital
Ann Arbor, Mich. 48104

*Sweet, Roger H.
Associate Physician
B.H.H.C.

*Sweet, William H., *Neurosurgery* '41
Chief of Neurosurgical Service
M.G.H.

*Sweetland, Ralph C., *Orthopaedic Surgery* '72
Clinical Associate in Orthopaedic Surgery
Salem Hospital, Salem, Ma. 01970

Sweetnam, George H., *Dentistry* '37
743 High St.,
Dedham, Mass. 02026

Swett, Richard B., *Orthopaedics* '75
1101 Welch Road
Suite C-8
Palo Alto, Calif. 94304

Swineford, Oscar, Jr., *Medicine* '27
P.O. Box 5094
Charlottsville, Va. 22903

Sycamore, Leslie K., *Radiology* '29
555 S.E. Cable Lane
Palm Bay, Fla. 32901

Symonds, Daniel A., *Pathology* '74
United States Public Health Service Hospital
Baltimore, Md. 21211

*Szabo, George
Associate Biologist, Dermatology
M.G.H.

*Szyfelbein, Stanislaw, *Anesthesia* '69
Associate Anesthetist
M.G.H.

*Szyfelbein, Wanda M., *Pathology* '72
Assistant in Pathology
M.G.H.

*Tadmore, Rina
Research Fellow in Radiology
M.G.H.

Takacs, Frank A., *Anesthesia* '75
Department of Anesthesia
University of California, Los Angeles
School of Medicine
Los Angeles, Calif. 90024

*Taft, Edgar B.
Pathologist
M.G.H.

*Taft, Priscilla D.
Associate Pathologist
M.G.H.

Taggart, F. Howard, Jr., *Anesthesia* '66
Salem Hospital,
Salem, Mass. 01970

Taguchi, Kenneth, *Surgery* '70
Kingston General Hospital
Kingston, Ontario, Canada K7L2V7

*Takagaki, Yuko
Research Fellow in Medicine
M.G.H.

*Takahashi, Masaaki
Research Fellow in Dermatology
M.G.H.

Talalay, Paul, *Surgery* '50
725 North Wolfe Street
Baltimore, M.D. 21205

Talamo, Richard C., *Children's* '66
Department of Pediatrics
Johns Hopkins Hospital
Baltimore, Md. 21205

Talbert, O. Rhett, *Neurology* '53
Thirty Bee Street
Charleston, S.C. 29403

*Talbot, Nathan B.
Chief of Children's Service
M.G.H.

Tallon, John B., *Radiology* '53
Orthopaedics '59
481 Park Street
Kitchener, Ontario N2G1N7, Canada

Talmadge, Sam M., *Surgery* '39
Rt. 1, Box 213-03
Hayesville, N.C. 28904

Tan, Chung-Chang, *Orthopaedics* '43
1951 N. Fresno St.,
Fresno, Calif. 93703

Tandon, Rajendra, *Medicine* '60
All-India Medical Research Institute
New Delhi, India

Tanenbaum, Lewis, *Dermatology* '75
University of California School of Medicine
Third & Parnassus Avenue
San Francisco, Calif. 94143

Tanner, James W., *Radiology* '62
Cottage Hospital
Santa Barbara, Calif. 93105

Tanner, Joseph B., *Orthopaedics* '54
300 Homer Ave.,
Palo Alto, Calif. 94301

Tannenheimer, John F., *Pathology* '45
Medicine '48
525 LaFayette St.,
Ionia, Mich. 48846

*Tantam, Digby J.H.
Clinical Fellow in Psychiatry
Chelsea Community Counseling Center
Webster Avenue & Spencer Street
Chelsea, Mass. 02150

*Tarlov, Edward, *Neurosurgery* '72
Assistant in Neurosurgery
M.G.H.

*Tasini, Miriam F., *Psychiatry* '74
Clinical Associate in Psychiatry
V.A.H.

Tatlock, Hugh, *Medicine* '40
264 Elm St., Northampton, Mass. 01060

*Taveras, Juan M.
Chief, Department of Radiology
M.G.H.

*Taylor, Isaac M., *Medicine* '51
Clinical Associate in Medicine
33 Hanover Street
Boston, Mass. 02113

Taylor, John B., *Dentistry* '57
31F Main St.
Teaticket, Mass. 02536

*Taylor, Simeon I.
2nd Year Resident in Medicine
M.G.H.

*Teicholz, Judith G.
Clinical Fellow in Psychology (Psychiatry)
M.G.H.

Temple, Anthony R., *Children's* '69
University of Utah Medical School
Salt Lake City, Utah 84112

*Tenney, Benjamin, *Surgery* '27
Consultant in Gynecology
P.O. Box J, Washington, Conn. 06793

Tenpas, John H., *Medicine* '75
National Institute of Arthritis
and Metabolic Diseases
Building 10, Room 9N-250, Bethesda, Md. 200

*Teplick, Richard S.
3rd Year Resident in Anesthesia
M.G.H.

*Tepper, Joel E.
Clinical & Research Fellow (Acting 4th Year
Resident) in Radiation Medicine
M.G.H.

*Terpstra, Onno T.
Research Fellow in Surgery
S.B.I.

Tetirick, Jack E., *Surgery* '56
3545 Olentangy River Road
Columbus, Ohio 43214

Tew, John McL., *Neurosurgery* '69
506 Oak St., Cincinnati, Ohio 45219

Thach, William T., Jr., *Medicine* '66
Neurology '70
Dept. of Physiology
Yale School of Medicine
New Haven, Conn. 06510

Thacher, Henry C., *Children's* '42
117 Goff St., Auburn, Me. 04210

*Thalinger, Karen K.
Clinical Fellow in Neuropathology
(Pathology)
M.G.H.

Theus, Walter W., *Dentistry* '52
1513 Gregg St.,
Colubmia, S.C. 29201

*Thibault, George E., *Medicine* '74
Assistant in Medicine
M.G.H.

Thomas, Arthur D., *Anesthesia* '66
7754 Starlight Dr., La Jolla, Calif. 92037

Thomas, John B., *Medicine* '54
85 Jefferson St., Hartford, Conn. 06130

Thomas, Robert L., *Neurosurgery* '33
Surgery '36
136 Overhill Rd., Orinda, Calif. 94563

Thomas, Stephen J., *Anesthesia* '74
Director, Cardiac Anesthesia Group
New York University School of Medicine
550 First Avenue
New York, NY 10016

Thomas, Wilbur A., *Pathology* '51
5 Maple St.,
Brookline, Mass. 02146

Thompson, Jesse E., *Neurosurgery* '45
Surgery '48
3600 Gaston Avenue
Dallas, Tex. 75246

Thompson, Milton S., Jr., *Orthopaedics* '35
441 Burr Road
San Antonio, Tex. 78205

Thompson, Philip P., Jr., *Medicine* '46
131 Chadwick St.
Portland, Maine 04102

*Thompson, Richard H., *Surgery* '40
Clinical Associate, Surgery
79 Highland Ave.
Salem, Mass. 01970

Thompson, W. Taliaferro, Jr., *Medicine* '41
Medical College of Virginia
Richmond, Va. 23219

Thomson, Dick A., *Anesthesia* '74
University of Lund
Lund, Sweden

*Thomson, Ian R.
Clinical & Research Fellow in Anesthesia
M.G.H.

*Thorndike, Augustus, *Surgery* '23
Consultant in Surgery
509 Hammond St.
Chestnut Hill, Mass. 02167

*Thorndike, Janet
Research Fellow in Medicine
C.H.M.C.

Thorpe, William P., *Surgery* '75
5621 Sonoma Road
Bethesda, Md. 20034

*Thrasher, Elliott L.
Clinical Associate in Orthopaedic Surgery
300 Mt. Auburn Street
Cambridge, Mass. 02138

Thrift, Mary C., *Children's* '76
B.H.W.

*Thurer, Robert L.
5th Year Resident in Surgery
M.G.H.

Thurlbeck, William M., *Pathology* '58
Sciences Centre, General Centre
700 William Avenue
Winnipeg, Manitoba
Canada R3E OZ3

*Tiley, Robert F.
Honorary Dermatologist
110 Francis St., Boston, Mass. 02115

*Timberlake, William H., *Neurology* '49
Clinical Associate in Neurology
L.S.H.

Timm, Alexander B., Jr., *Dermatology* '56
36 W. Main St., Milford, Conn. 06460

*Timothy, Adrian R.
Clinical Fellow in Radiation Medicine
M.G.H.

*Tingey, William H., Jr., *Dentistry* '59
Clinical Associate in Oral Surgery
872 Massachusetts Ave.
Cambridge, Mass. 02139

Tisdale, William A., *Medicine* '56
University of Vermont
College of Medicine
Burlington, Vt. 05401

*Tobin, Richard E.
Assistant in Radiology
M.G.H.

*Toch, Rudolf
Associate Pediatrician
98 Adams St.,
Milton, Mass. 02178

Todd, Barnard P., *Medicine* '38
Fairview Avenue
Wenham, Mass. 01984

*Todd, Donald P., *Anesthesia* '47
Anesthetist
M.G.H.

*Todd, Michael M.
1st Year Resident in Anesthesia
M.G.H.

*Todres, Israel D.
Associate Pediatrician
Associate Anesthetist
M.G.H.

Tofield, Joshua J., *Surgery* '74
5402 East Grant Road
Tucson, Ariz. 85712

Toll, Giles D., *Surgery* '57, *Pathology* '59
Dept. of Pathology, St. Luke's Hospital
Denver, Colorado 80233

*Toll, Karel van Syckel
Assistant Neurologist
15 Snake Hill Road
Belmont, Mass. 02178

*Tolman, E. Laurie, *Dermatology* '65
Clinical Associate in Dermatology
Lahey Clinic
605 Commonwealth Avenue
Boston, Mass. 02215

*Tolman, Maurice M.
Senior Dermatologist
Zero Emerson Pl.,
Boston, Mass. 02114

*Tomford, William W.
Assistant in Orthopaedic Surgery
M.G.H.

Tompkins, Douglas G., *Orthopaedic* '58
Gunderson Clinic, La Crosse, Wis. 54601

*Tompkins, Eugene R.
Assistant in Pediatrics
M.G.H.

*Tompkins, Ronald G.
1st Year Resident in Surgery
M.G.H.

Tonnesen, Alan S., *Anesthesia* '73
Univ. of Miss. Medical Center
2500 No. State Street
Jackson, Miss. 39216

*Tonnesen, Marcia G.
1st Year Resident in Dermatology
M.G.H.

*Toole, Bryan P.
Assistant Biochemist (Medicine)
M.G.H.

*Toombs, Barry D.
2nd Year Resident in Radiology
M.G.H.

Toomey, Edward G., *Dermatology* '66
Concord Medical Center
Concord, Mass. 01742

Toriello, Julio, *Radiology* '55
11 Calle 2-37, Zona-1
Guatemala City, Guatemala

*Torre, Joseph J.
Clinical & Research Fellow in Medicine
M.G.H.

*Touchette, Paul E.
Psychologist (Neurology)
M.G.H.

Towery, Beverly T., *Medicine* '46
P.O. Box 202, Anchorage, Ky. 40223

*Townsend, James H., *Medicine* '23
Honorary Physician
R.F.D. 2
Plymouth, N.H. 03264

*Tractenberg, Howard A., *Anesthesia* '63
Clinical Associate in Anesthesia
120 White Oak Drive
Longmeadow, Mass. 01106

Tracy, Robert J., *Surgery* '49
197 South St.,
Pittsfield, Mass. 01202

Traig, Alain L., *Surgery* '72
1207 Fairchild Court
Woodland, Calif. 95695

Traul, Richard S., *Anesthesia* '68
Arlington Rd.,
Bellefontaine, Ohio 43311

Traver, Ralph F., *Surgery* '30
7 Ganesvoort St.,
Bath, N.Y. 14810

*Trebbin, Wayne M.
Clinical and Research Fellow in Medicine
M.G.H.

*Trelstad, Robert L.
Assistant in Pathologist
M.G.H.

Trethowan, William H., *Psychiatry* '51
Department of Psychiatry
Queen Elizabeth Hospital
Birmingham, 15, England

*Triantafillou, Anastasios N.
1st Year Resident in Anesthesia
M.G.H.

Tripp, Curtis C., *Surgery* '23
97 Madison St.
New Bedford, Mass.

Trieger, Norman, *Dentistry* '56
Dept. of Oral Surgery, Montefiore Hosp.
111 East 210th St.,
Bronx, N.Y. 10467

*Trippel, Stephen B.
Research Fellow in Orthopaedic Surgery
M.G.H.

*Trockman, Gordon J.
3rd Year Resident in Psychiatry
M.G.H.

*Trojanowski, John Q.
1st Year Resident in Pathology
M.G.H.

*Tropea, Andrea
Research Fellow in Surgery
M.G.H.

Troppoli, Daniel V., *Neurology* '27
380 Broadway, Providence, R.I. 20909

Trowbridge, Ellsworth H., Jr., *Neurology* '40
Plaza Time Bldg.,
Kansas City, Mo. 64112

Trowbridge, Frederick L., *Children's* '71
Center for Disease Control
Clifton Road
Atlanta, Georgia 30324

Troxler, Eulyss R., *Orthopaedics* '42
1005 Professional Village
Greensboro, N.C. 27401

*Truax, Bradley T.
1st Year Resident in Neurology
M.G.H.

*Truman, John T., *Children's* '63
Pediatrician
Clinical Consultant, Blood Bank
M.G.H.

*Tseng, Victor
2nd Year Resident in Orthopaedic Surgery
M.G.H.

Tucker, James T., *Orthopaedic* '30
4315 Grove Ave.,
Richmond, Va. 23221

Tucker, Robert P., *Surgery* '40
1603 Ware Ave., East Point, Ga. 30044

*Tully, George L. III
Clinical & Research Fellow in Medicine
M.G.H.

Turner, John D., *Medicine* '58
Baylor University, Houston, Texas 77025

Tuttle, Elbert P., Jr., *Medicine* '53
Emory University School of Medicine
69 Butler Street S.E.
Atlanta, Georgia 30303

Twarog, Francis J., *Pediatrics* '73
C.H.M.C.

Twombly, Gray H., *Surgery* '32
450 Riverside Drive,
New York, N.Y. 10027

Tyson, Robert G., *Children's* '50
733 Washington Rd.,
Pittsburgh, Pa. 15228

*Ulfelder, Howard, *Surgery* '41
Deputy to The General Director
for Cancer Affairs
Consulting Visiting Gynecologist
M.G.H.

Ulick, Stanley C., *Children's* '52
Veterans Administration Hospital
130 W. Kingsbridge Rd.
Bronx, N.Y. 10468

*Ulman, Kathleen H.
Clinical & Research Fellow in Psychology
(Psychiatry)
M.G.H.

Ulmer, Jack L., *Neurosurgery* '42
McGuire Veterans Administration
Hospital, Richmond, Va. 23225

*Umlas, Joel, *Pathology* '67
Clinical Associate in Pathology
Mt. Auburn Hospital
330 Mt. Auburn Street
Cambridge, Mass. 02138

*Urcuyo, Rodrigo
Clinical Fellow in Gynecology
M.G.H.

Urquhart, John III, *Surgery* '61
University of Pittsburgh School of Medicine
Pittsburgh, Pa. 15213

Urschel, Harold C., Jr., *Surgery* '62
4930 Manson Crt.,
Dallas, Texas 75229

Uyeda, Clifford I., *Children's* '51
2425 Geary Blvd.
San Francisco, Calif. 94115

*Vacanti, Joseph P.
3rd Year Resident in Surgery
M.G.H.

Vagelos, P. Roy, Sr., *Medicine* '56
President, Merck Sharp & Dohme Research Laboratories
Rahway, N.J. 07065

*Vaisman, Isaac
4th Year Resident in Radiation Medicine
M.G.H.

Valle, Alice W., *Psychiatry* '75
63 Nathan Road
Newton Centre, Mass. 02159

*Valle, Calixto C.
Assistant in Psychiatry
Waltham Hospital
Waltham, Mass. 02154

*VanArsdell, William R.
Assistant Pediatrician
H.S.P.H.

Van Buskirk, David, *Medicine* '59
77 Parking Way,
Quincy, Mass. 02169

Vance, Robert G., *Radiology* '24
3830 Malec Circle,
Sarasota, Fla. 33581

VanderSalm, Thomas J., *Surgery* '73
U. of Mass.
55 Lake Street, North
Worcester, Mass. 01605

Vanderveen, James L., *Anesthesia* '55
225 W. Dickinson Street
San Diego, Calif. 92103

*Van Dyke, Wilhelmina, *Children's* '43
Clinical Associate in Pediatrics
16 Spafford Rd., Milton, Mass. 02186

Van Eerde, Albert, *Anesthesia* '55
Paterson General Hospital
Paterson, N.J. 07501

*Vanjonack, William J.
Research Fellow in Physiology (Pediatrics)
S.B.I.

*Van Praagh, Richard
Consultant in Pathology
H.M.S.

van Ravenswaay, Arie C., *Pathology* '34
601 N. Wilmot Rd.,
Tucson, Ariz. 85711

van Ravenswaay, Theodore, *Pathology* '57
Permanente Medical Group
99 Montecillo Road
San Rafael, Calif. 94903

*vanSonnenberg, Eric
1st Year Resident in Radiology
M.G.H.

Vanvroonhoven, Theo J., *Surgery* '71
University Hospital Dijkzigt
Rotterdam, The Netherlands

*Varadi, Steven
2nd Year Resident in Surgery
M.G.H.

Yarma, Surendra K., *Children's* '72
Asst. Professor in Pediatrics
Texas Tech. University School of Medicine
P.O. Box 4569
Lubbock, Tex. 79409

Vasquez-Amory, Ernesto, *Psychiatry* '71
1591 Sundridge Drive
Columbus, Oh 43221

Vaughan, M. Clay, *Orthopaedic Surgery* '72
Gun Club Lane
Weston, Mass. 02193

Vaughan, Robert H., *Surgery* '44
711 Center St.,
Columbus, Ga. 31901

Vaughan, Victor C. III, *Children's* '43
125 West Walnut Lane
Philadelphia, Pa. 19144

Veits, Harold R., *Psychiatry* '74
P.O. Box 812
Bangor, ME 04401

Velho, Lawrence F., *Anesthesia* '73
69 Calumet Street
New Bedford, Mass. 02744

*Verhey, Lynn J.
Assistant Radiation Biophysicist
in Radiation Medicine
M.G.H.

*VerLee, Thomas R.
2nd Year Resident in Anesthesia
M.G.H.

Vesell, Elliot S., *Children's* '60
Pennsylvania State University
College of Medicine
Hershey, Pa. 17033

*Vezeridis, Michael P.
Research Fellow in Surgery
M.G.H.

*Vickery, Austin L., Jr.
Pathologist
M.G.H.

*Vignola, Paul A.
Clinical Assistant in Medicine
M.G.H.

Villar, Luis F., *Surgery* '76
B.C.H.

Villee, Dorothy B., *Children's* '56
43 Cottage Farm Rd.
Brookline, Mass. 02146

Vitt, Robert P., *Orthopaedics* '51
317 W. Pueblo St.
Santa Barbara, Calif. 93102

*Vlahakes, Gus J.
2nd Year Resident in Surgery
M.G.H.

Voke, Edward L., *Radiology* '31
243 Hampshire Road
Akron, OH 44313

Volpe, Joseph J., *Children's* '66
Neurology '70
7404 Wellington Way, Clayton, Mo. 63105

Volwiler, Wade, *Medicine* '45
University of Washington
School of Medicine
Seattle, Wash. 98105

Von Kessler, Kirby L.C., *Orthopaedics* '65
4 East Madison St.,
Baltimore, Md. 21202

Von Pohl, Joachim W., *Anesthesia* '73
Universitatsklinik
Abteilung fur Anesthesiologie
4 Dusseldorf, West Germany

Waddell, William R., *Surgery* '51
University of Colorado School of Medicine
Denver, Colo. 80220

*Waitzkin, Evelyn D.
Clinical Associate in Psychiatry
78 Salisbury Road
Brookline, Mass. 02146

*Waksmonski, Carol A.
Clinical & Research Fellow in Medicine
M.G.H.

Waldman, Jerome, *Orthopaedics* '49
1616 Grand Ave.,
Waukegan, Ill. 60085

Waldmann, Katharine Spreng, *Medicine* '57
3910 Rickover Rd.
Silver Spring, Md. 20902

Waldmann, Thomas A., *Medicine* '56
National Institutes of Health
Bethesda, Md. 20014

Waldron, Alexander M., *Medicine* '39
309 N. Ingalls St.
Ann Arbor, Mich. 48104

*Wales, Lee R.
Assistant in Radiology
M.G.H.

*Walker, Alexander M.
2nd Year Resident on the Children's Service
M.G.H.

Walker, George M., *Surgery* '51
269 Prospect St., Fitchburg, Mass. 01420

Walker, Jerome K., *Dentistry* '54
42 W. Brook St., Manchester, N.H. 03104

Walker, Peter F.
108 Shore Road
Cold Spring Harbor
Long Island, N.Y. 11724

Walker, Robert H., *Pathology* '51, *Surgery* '53
Calgary Associate Clinic
214-6 Avenue, S.W.
Calgary, Alberta, Canada

*Walker, W. Allan
Associate Pediatrician
M.G.H.

*Walker-Nasir, Evelyne
Assistant in Biochemistry (Medicine)
M.G.H.

Wall, Michael A., *Children's* '76
C.H.M.C.

Wallace, James W., *Radiology* '69
412 Mt. Auburn St.
Cambridge, Mass. 02138

Wallace, Lynn, *Pediatrics* '73
175 Fuller Street
Brookline, Mass. 02146

*Waller, David A.
3rd Year Resident in Psychiatry
L.M.H.C.

Waller, John L., *Anesthesia* '75
Department of the Air Force
Wilford Hall USAF Medical Center (AFSC)
Lackland Air Force Base, Texas 78236

Wallwork, David W., *Surgery* '32
53rd St., North Andover, Mass. 01845

Walser, Mackenzie, *Medicine* '50
Johns Hopkins University
School of Medicine
Baltimore, Md. 21205

Walsh, John W., *Neurosurgery* '73
C.H.M.C.

*Walshe, Thomas M., III
3rd Year Resident in Neurology
M.G.H.

Walter, Mark M., Jr., *Psychiatry* '55
McL.

Walter, Paul D., *Neurology* '76
B.I.H.

Walter, Thomas K., *Children's* '75
Department of Pediatrics
Moffart
San Francisco, Calif. 94122

*Waltman, Arthur C.
Assistant Radiologist
M.G.H.

*Walton, David S.
Assistant in Pediatrics
M.G.H.

*Walton, Kenneth G.
Assistant in Psychobiology (Psychiatry)
M.G.H.

*Walzer, Sarita G.
Associate Anesthetist
M.G.H.

*Wands, Jack R.
Assistant in Medicine
M.G.H.

*Wang, Chi Shiang
Assistant in Pediatrics

*Wang, Chiu-an, *Surgery* '46
Visiting Surgeon
Zero Emerson Pl.,
Boston, Mass. 02114

*Wang, Chiu-Chen, *Radiology* '52
Radiation Therapist in Radiation Medicine
M.G.H.

Wang, Yang, *Medicine* '57
University of Minnesota Hospitals
Minneapolis, Minn. 55455

Ward, Albert J., *Surgery* '29
309 Old Plantation Road
Jekyll Isl., Brunswick, Ga. 31520

Ward, Harold W., Jr., *Psychiatry* '74
Navy Medical Neuropsych. Unit
Point Loma, San Diego, Calif. 92106

Ward, John L., *Medicine* '35
600 Scranton Ave.
Lake Bluff, Ill. 60044

Ware, Roland G., Jr., *Radiology* '63
Maine Medical Center
Department of Radiology
Portland, Me. 04102

*Warfield, George R. III
1st Year Resident in Anesthesia
M.G.H.

Waring, Elmar S., *Medicine* '19
1807 South Indian River Dr.
Fort Pierce, Fla. 33450

Warner, John H., Jr., *Medicine* '37
Oberlin College Student Health Service
Oberlin, Ohio 44074

*Warren, Christopher D.
Assistant Biochemist (Medicine)
M.G.H.

*Warren, Richard, *Surgery* '36
Consultant in Surgery
319 Longwood Ave., Boston, Mass. 02115

Warren, Stafford L., *Medicine* '24
100 Veteran Ave.,
Los Angeles, Calif. 90024

*Warshaw, Andrew L., *Surgery* '71
Assistant Surgeon
M.G.H.

Washburn, Stephen L., *Psychiatry* '56
McL.

*Wasserman, Abby
Clinical Assistant in Psychiatry
M.G.H.

*Wasserman, Linda
Assistant in Psychology (Psychiatry)
B.H.H.C.

*Waterfall, David E.
Clinical Fellow in Oral Surgery
B.H.H.C.

*Watkins, Arthur L., *Neurology* '38
Honorary Physician
Peterborough, N.H. 03458

Watson, James W., *Medicine* '44
307 East 44th St.,
New York, N.Y. 10017

Watson, Richard H., *Children's* '53
Student Health Service Medical Center
University of Alabama
Birmingham, AL 35294

Watson, Robert F., *Medicine* '36
525 East 68th St., New York, N.Y. 10021

Watts, Arthur B., *Surgery* '43
103 E. Holly St.,
Bellingham, Wash. 98225

Watts, Hugh G., *Orthopaedic Surgery* '71
C.H.M.C.

Waud, Barbara E., *Anesthesia* '59
721 Huntington Avenue
Boston, Mass. 02115

Waxman, Herbert S., *Medicine* '67
Department of Medicine
Temple University School of Medicine
Philadelphia, Pa. 19140

*Webb, M. Sharon
1st Year Resident in Surgery
M.G.H.

*Weber, Alfred L., *Radiology* '59
Radiologist
M.E.E.I.

*Webster, Edward W.
Physicist, Radiology
M.G.H.

Webster, Henry deF., *Neurology* '56
National Institute of Neurological Diseases and Stroke
Bethesda, Maryland 20014

Webster, Richard C., *Surgery* '44
16 Prescott St.,
Brookline, Mass. 02146

Wechsler, James S., *Anesthesia* '76
South Shore Hospital
55 Fogg Road
South Weymouth, Mass. 02190

Weems, William L., *Urology* '65
University of Mississippi Medical Center
2500 North State St.
Jackson, Miss. 39206

Wegner, Karl H., *Pathology* '61
Sunnymede S. Minnesota Road
Sioux Falls, S. Dak. 57101

*Weigand, Kurt
Research Fellow in Medicine
M.G.H.

*Weinberg, Arnold N., *Medicine* '62
Physician
M.G.H.

Weinberg, Richard A., *Dermatology* '62
930 West Sproul Rd.
Springfield, Pa. 19064

*Weinberger, Jerome L.
Psychiatrist
51 Brattle St.,
Cambridge, Mass. 02138

*Weiner, Leonard R.
Clinical Associate in Psychiatry
M.G.H.

*Weiner, Milton A., *Radiology* '68
Clinical Associate in Radiology
St. Vincent's Hospital
Worcester, Mass.

Weinfeld, Marvin S., *Orthopaedics* '61
454 Brookline Ave.,
Boston, Mass. 02215

*Weingarten, Charles H., *Medicine* '60
Assistant Physician
McL.

Weinger, Jesse M., *Orthopaedic Surgery* '74
Michael Reese Hospital
Chicago, Ill. 60632

Weinshilboum, Richard M., *Medicine* '72
Mayo Clinic
Rochester, Minn. 55901

*Weinstein, Ellen M.
2nd Year Resident on the Children's Service
M.G.H.

Weinstein, Howard J., *Children's* '74
215 Harvard Avenue
Boston, Mass. 02134

*Weinstein, Louis
Honorary Physician
N.E.M.C.H.

Weinstein, Ronald S., *Pathology* '70
Rush-Presbyterian St. Luke's Hospital
Chicago, Ill. 60612

Weintraub, Harold P., *Surgery* '71, *Radiology* '76
N.E.M.C.H.

*Weintraub, Ronald M., *Surgery* '70
Clinical Associate in Surgery
330 Brookline Avenue
Boston, Mass. 02215

Weir, David R., *Pathology* '38
Highland View Hospital
Cleveland, Ohio 44122

*Weiser, Milton M.
Associate Physician
M.G.H.

Weisfeldt, Myron L., *Medicine* '70
Johns Hopkins Hospital
Baltimore, Md. 21205

Weisman, Harold J., Jr., *Orthopaedics* '75
304 Russell St.
Carlisle, Mass. 01741

*Weisman, Avery D., *Psychiatry* '45
Psychiatrist
M.G.H.

*Weiss, Alfred D.
Assistant Neurologist
Zero Emerson Place
Boston, Mass. 02114

*Weiss, Charles
Assistant Orthopaedic Surgeon
M.G.H.

*Weiss, Howard D.
Chief Resident in Neurology
M.G.H.

Weiss, Louis L., *Anesthesia* '56
830 Harter Boulevard
Anderson, Ind. 46011

Weiss, Mark A., *Pathology* '75
Department of Pathology
Navy Regional Medical Center
Portsmouth, Va. 23708

*Weissberger, Marshall A.
Research Fellow in Radiology
M.G.H.

*Weitzman, Sigmund A.
Clinical and Research Fellow in Medicine
M.G.H.

*Welch, Charles A.
Assistant in Psychiatry
M.G.H.

*Welch, Claude E., *Surgery* '37
Senior Surgeon
M.G.H.

Welch, John B., *Neurology* '76
792 Main Street
Melrose, Mass. 02176

Welch, John P., *Surgery* '74
85 Jefferson Street
Hartford, Conn. 06106

*Welch, William R.
Assistant in Pathology
M.G.H.

*Weller, Peter F.
Clinical & Research Fellow in Medicine
M.G.H.

*Wells, Lionelle D.
Associate Psychiatrist
82 Marlborough St.,
Boston, Mass. 02116

*Wellum, Glyn R.
Assistant in Chemistry
(Neurosurgery)
M.G.H.

Wenig, Martin, *Dentistry* '45
255-17 Northern Blvd.
Little Neck, Long Island, N.Y. 11363

*Wepsic, James G., *Neurosurgery* '69
Assistant Visiting Neurosurgeon
M.G.H.

Wesley, John R., *Surgery* '72
Los Angeles Children's Hospital
4650 Sunset Blvd.,
Los Angeles, Calif. 90054

West, Weldon, W., *Surgery* '54
327 East Alpine Avenue
Stockton, Calif. 95204

Westerfield, Larry H., *Radiology* '73
Methodist-Evangelical Hospital
315 East Broadway
Louisville, Ky. 40201

*Westphal, Danny M.
Clinical and Research Fellow in Medicine
M.G.H.

Wexler, Laura F., *Medicine* '74
B.C.H.

Wexler, Marvin J., *Surgery* '68
613 Victoru Avenue
Westmount
Quebec, Canada H342R8

Weylman, Walter T., *Radiology* '60
358 North Main St.,
Andover, Mass. 01810

Wheeler, Bancroft C., *Surgery* '26
17 Westwood Drive
Worcester, Mass. 01609

Wheeler, Charles A., *Neurosurgery* '35
Surgery '38
Leominster Hospital Medical Building
Leominster, Mass. 01453

Wheeler, Clarence G., *Surgery* '62
4001 Worth Street
Dallas, Texas 75221

*Wheeler, Edwin O.
Physician
Zero Emerson Pl.,
Boston, Mass. 02114

*Wheeler, Gordon M.
Clinical Fellow in Psychology
(Psychiatry)
M.G.H.

Wheeler, James H., *Psychiatry* '75
1705 Little Willeo Road
Marisha, Georgia 30067

Wheeler, Warren E., *Children's* '34
University of Kentucky Medical Center
Lexington, Ky. 40506

Wheeler, William F., Jr., *Anesthesia* '71
1503 S.E. 69th Way
Gainesville, Fla. 32601

*Wheelock, Frank C., Jr., *Surgery* '49
Visiting Surgeon
110 Francis St.,
Boston, Mass. 02215

*Whelan, Mary A.
2nd Year Resident on
the Children's Service
M.G.H.

Whiffen, John R., *Orthopaedics* '76
19 Winchester Street
Brookline, Mass. 02146

Whiskin, Frederick E., *Psychiatry* '54
Box 1292, Hornbeam R1
Duxbury, Mass. 02332

White, Alan F., *Radiology* '71
Georgetown University Hospital
3800 Reservoir Road
Washington, D.C. 20007

*White, Harold A.D.
Clinical Fellow in Dermatology
M.G.H.

*White, James C., *Surgery* '27
Honorary Neurosurgeon
100 Cottage Street
Brookline, Mass. 02146

*Whitfield, Thomas J. III, *Children's* '57
Clinical Associate in Pediatrics
Round Hill Road
Great Barrington, Mass. 01230

Whitford, Warren, *Orthopaedics* '31
80 Sherman Ave.,
New Haven, Conn. 06511

*Whitmore, Erika L.
2nd Year Resident in Pathology
M.G.H.

*Wick, Michael M.
Clinical & Research Fellow in Dermatology
M.G.H.

*Wicks, Rita M.
1st Year Resident in Pathology
M.G.H.

Wigglesworth, William C., *Surgery* '45
80 County Rd., Ipswich, Mass. 01938

Wilcox, John C., *Children's* '37
615 West 10th Street, Claremont, Calif. 91711

Wilcox, Roger E., *Surgery* '55
525 N. 18th Street
Phoenix, Ariz. 85006

Wilde, Henry D., Jr., *Orthopaedics* '62
2210 Maroneal,
Houston, Texas 77025

*Wilkeson, Adele G.
2nd Year Resident in Psychiatry
M.G.H.

*Wilkins, Earle W., Jr., *Surgery* '51
Visiting Surgeon; Chief of the Emergency
Ward and Overnight Ward
M.G.H.

*Wilkins, George F.
Consultant in Occupational Medicine
101 River Road
Weston, Mass. 02193

Willens, John S., *Anesthesia* '69
Paoli Memorial Hospital
Paoli, Pa. 19301

*Willer, Lee H.
Clinical Associate in Psychiatry
133 Bigelow Road
West Newton, Mass. 02165

Willerson, James T., *Medicine* '67
University of Texas
Southwestern Medical School
5323 Harry Hines Blvd.
Dallas, Texas 75235

Willetts, Arthur T., *Urology* '42
85 Woodland Rd., Short Hills, N.J. 07078

*Williams, Conger, *Medicine* '40
Physician
M.G.H.

Williams, David W., *Surgery* '43
Orthopaedics '46, *Urology* '48
130 Maple St., Springfield, Mass. 01103

Williams, Gary M., *Surgery* '64
Naylor Dana Institute of Disease Prevention
Valhalla, N.Y. 10595

Williams, J. Richard, Jr., *Medicine* '70
Baylor University Medical Center
3500 Gaston Avenue
Dallas, Tex. 75246

*Williams, Larry S.
3rd Year Resident in Oral Surgery
M.G.H.

Williams, Melvin W., *Psychiatry* '73
Mental Health Career Dev. Program
5600 Fisher Lane
Rockville, Md. 20852

Williams, Oscar B., Jr., *Anesthesia* '55
6718 Briar Cove Drive
Dallas, Texas 75240

Williams, Ralph C., Jr., *Medicine* '60
Bernalillo County Medical Center
Albuquerque, N.M. 87106

*Williams, Robert C.
Clinical Associate in Radiology
Cardinal Cushing Hospital
Brockton, Mass. 02401

Williams, Robert Sanders, *Medicine* '76
4231-B American Drive
Durham, No. Carolina 27701

Williams, Roger A., *Pathology* '69
R.J. Wescott Memorial Lab
P.O. Box 1948
El Centra, Calif. 92243

Williams, Roger N., *Orthopaedic Surgery* '71
773 Fourth Avenue North
Naples, Fla. 33950

*Williams, Roger S.
Clinical Associate in Neurology
Fernald State School
Waltham, MA 02154

*Williams, Vernon P., *Surgery* '31
Honorary Psychiatrist
112 Pinckney St.,
Boston, Mass. 02114

Williams, Willis H., *Surgery* '73
Univ. of Miami Medical School
Miami, Fla. 33146

Williamson-Lefort, Ladislao, *Medicine* '42
Migeul Cruchaga Tocornal 920
Officina 405, Santiago, Chile

Wilson, Edward H., Jr., *Surgery* '50
Presbyterian Hospital
Clay & Webster Sts.
San Francisco, Calif. 94115

Wilson, John C., Jr., *Surgery* '45
Orthopaedics '50
2010 Wilshire Blvd.
Los Angeles, Calif. 90057

Wilson, John L., *Surgery* '48
300 dr. Pasteur
Stanford, Calif. 94305

Wilson, Norman E., *Anesthesia* '75
4 Hyacinth Court
Gaithersburg, Md. 20760

Wilson, Philip D., Jr., *Surgery* '46
535 East 70th Street
New York, N.Y. 10021

*Wilson, Robert F.
Clinical Associate in Pediatrics
Doctor's Park, Dover, N.H. 03820

*Wilson, Roger S.
Associate Anesthetist
M.G.H.

Winchester, Mark A., *Medicine* '76
General Rose Memorial Hospital
Dept. of Critical Care Medicine
1050 Clermont Street
Denver, Colo. 80220

*Winer, Jordan J.
Podiatrist in Orthopaedic Surgery
111 Bellingham Street
Chelsea, Mass. 02150

Winickoff, Richard N., *Medicine* '72
B.I.H.

*Winkler, Gerald F., *Neurology* '61
Associate Neurologist
M.G.H.

Winkler, John J., *Radiology* '28
Austin State Hospital, Austin, Texas 78751

*Winn, Henry J.
Immunologist (Surgery)
M.G.H.

*Winn, William A. III
Clinical Fellow in Psychology
(Psychiatry)
B.H.H.C.

*Winslow, Boyd H.
3rd Year Resident in Surgery
M.G.H.

Winsor, Allen P., *Medicine* '19, *Surgery* '21
1080 Beacon St.,
Brookline, Mass. 02146

*Winzelberg, Gary G.
1st Year Resident in Radiology
M.G.H.

*Wirthlin, LeRoy S., *Surgery* '70
Assistant Surgeon
1180 Beacon Street
Brookline, Mass. 02146

Wishard, William N., Jr., *Surgery* '27
1711 N. Capital Ave.
Indianapolis, Ind. 46200

*Wiske, Martha S.
Clinical Fellow in Psychology (Psychiatry)
M.G.H.

*Wittenberg, Jack *Radiology* '66
Associate Radiologist
M.G.H.

*Witters, Lee A.
Assistant in Medicine
M.G.H.

*Wohl, Martin J., *Medicine* '63
Assistant Physician
75 Mount Auburn St.
Houston, Texas 77004

Wolf, Laurence E., *Surgery* '70
Cronin & Brauer Clinic
5419 Caroline Street
Houston, Texas 77004

*Wolfe, Robert R.
Research Fellow in Surgery
S.B.I.

*Wolff, Robert R.
3rd Year Resident on the Children's Service
M.G.H.

Wolff, Jan, *Medicine* '54
National Institutes of Health
Bethesda, Md. 20014

Wolff, Louis, *Medicine* '24
1101 Beacon St.
Brookline, Mass. 02146

*Wolfson, John S.
2nd Year Resident in Medicine
M.G.H.

*Wolpow, Edward R., *Neurology* '68
Pathology '69
Assistant in Neurology
M.G.H.

Wong, Livingston M.F., *Surgery* '65
4144 Papu Circle,
Honolulu, Hawaii 96815

*Woo Beverly
3rd Year Resident in Medicine
M.G.H.

*Woo, Elaine
Clinical & Research Fellow in Medicine
M.G.H.

Woo, Sybil Wong, *Anesthesia* '66
230 Lake Road,
Andover, Conn. 06232

Wood, Benjamin S., *Surgery* '33
5214 Lipps Road, S.W.
Roanoke, Va. 24018

Wood, Edwin G., *Medicine* '51
3223 Smith St., Suite 321
Houston, Tex. 77005

Wood, Howard P., *Medicine* '48
Lankenau Medical Bldg.
Philadelphia, Pa. 19151

Wood, James A., *Children's* '15
Box 325, Sea Island, Ga. 31561

Wood, J. Edwin, Jr., *Medicine* '23
1327 Rugby Rd.
Charlottesville, Va. 22903

*Wood, Lawrence C.
Assistant in Medicine
M.G.H.

*Wood, William C., *Surgery* '74
Assistant in Surgery
M.G.H.

Wood, William E., *Dentistry* '40
1832 Connecticut Ave., N.W.
Washington, D.C. 20009

*Woodruff, Lorande M., *Surgery* '39
Urology '47
Assistant Urologist
110 Francis St.,
Boston, Mass. 02215

*Woods, Bryan T., *Medicine* '68, *Neurology* '71
Assistant Neurologist
McL.

Wooldridge, Douglas W., *Dermatology* '76
Lahey Clinic
605 Commonwealth Avenue
Boston, Mass. 02215

Wooten, E. Jane Herring, *Children's* '44
904 Williamson Drive
Raleigh, N.C. 27608

*Worden, J. William
Associate Psychologist, Psychiatry
M.G.H.

*Worley, Gordon
3rd Year Resident on the Children's Service
M.G.H.

*Worobec, Thomas G.
3rd Year Resident in Psychiatry
M.G.H.

Worth, Thomas C., *Medicine* '38
Rex Hospital, Raleigh, N.C. 27603

Wosnitzer, Morey, *Urology* '60
21 Forest Drive, Springfield, N.J. 07081

*Wray, Shirley H.
Associate Neurologist
M.G.H.

*Wrenn, Simeon M.
Research Fellow in Medicine
M.G.H.

Wright, R. Lewis, *Neurosurgery* '63
4908 Monument Ave.
Richmond, Virginia 23230

Wulfson, Howard D., *Anesthesia* '73
12 St. Andrews Drive
Little Rock, AR 72207

*Wurtman, Richard J., *Medicine* '62
Clinical Associate in Medicine
Department of Nutrition
M.I.T.

*Wyman, Edwin T., Jr., *Orthopaedics* '60
Assistant Orthopaedic Surgeon
412 Beacon St.,
Boston, Mass. 02115

*Wyman, Stanley M., *Radiology* '42
Radiologist
575 Mt. Auburn St.
Cambridge, Mass. 02138

Wyngaarden, James B., *Medicine* '51
Duke Hospital
Durham, N.C. 27710

Wysham, Donald N., *Medicine* '57
Christian Medical College
Ludhiana, Punjab, India

Yaffee, Howard S., *Dermatology* '53
60 Brattle St., Cambridge, Mass. 02138

*Yakovlev, Paul I.
Honorary Neuropathologist
21 Addington Road
Brookline, Mass. 02146

*Yank, Glenn R.
1st Year Resident in Psychiatry
M.G.H.

Yankauer, Alfred, *Children's* '41
University of Mass. Medical School
Worcester, Mass. 01604

Yates, Colin, *Oral Surgery* '75
Department of Oral Surgery
Kings College Hospital Dental School
Denmark Hill
London S.E. 5 8Rx, England

*Yatsuhashi, Masao, *Surgery* '46
Clinical Associate in Surgery
Pondville Hospital, Norfolk, Mass. 02056

Yee, Lester P.K., *Medicine* '39, *Surgery* '46
1641 Nuuanu Ave.
Honolulu, Hawaii 96817

Yenel, Faruk M., *Medicine* '65
Cerrahpasa Tip Fakultesi
Pnomo-Fitzyoloji Kursusu
University of Istanbul
Istanbul, Turkey

Yett, Harris S., *Orthopaedics* '69
B.I.H.

Yip, Larry, *Anesthesia* '74
Long Beach Naval Hospital
Long Beach, Calif. 90801

*Yoder, Isabel C.S.
Assistant Radiologist
M.G.H.

Yodh, Shyam B., *Neurosurgery* '69
Samudio Villa, 18 Darobsha Rd.
Bombay, India

Yokoyama, Mitsuo M., *Anesthesia* '68
Dept. of Anesthesia
Senbai-Kosha Tokyo Hospital
1-4-3 Mita, Minato-Ku
Tokyo, Japan

*YonKondy, Joanne K.
3rd Year Resident on the Children's Service
M.G.H.

Yoshikawa, Hideyasu, *Anesthesia* '72
Tokyo University Hospital
Hongo, Bunkyo, Tokyo, Japan

Youmans, John B., *Medicine* '21
Rt. 3, Franklin Tenn. 37064

Youn, Chang H., *Anesthesia* '72
The Grace Hospital
Detroit, Mich. 48201

Young, Clark, *Surgery* '23
1848 Wilson Ave.
Salt Lake City, Utah 84108

*Young, D. Michael
Physical Chemist, Medicine
M.G.H.

David A. Young, *Medicine* '33, *Psychiatry* '36
207 Bryan Building
Raleigh, N.C. 27605

*Young, Hugh H. II
Assistant in Urology
M.G.H.

*Young, Melvin D.
2nd Year Resident in Orthopaedic Surgery
M.G.H.

Young, Neal S., *Medicine* '73
Nat. Heart, Lung & Blood Institute
Bethesda, Md. 20014

*Young, Richard S.K.
2nd Year Resident on the Children's Service
M.G.H.

*Young, Robert H.
2nd Year Resident in Pathology
M.G.H.

*Young, Robert R., *Pathology* '64
Neurology '65
Associate Neurologist
M.G.H.

Young, Thomas K., *Anesthesia* '71
Marshall County Hospital, Van Dorm Ave.
Holly Springs, Miss. 38635

*Yurchak, Peter M., *Medicine* '64
Associate Physician
M.G.H.

Zacarian, Setrag A., *Dermatology* '55
130 Maple St., Springfield, Mass. 01103

*Zack, Michael B.
Clinical Fellow in Medicine
M.G.H.

Zacks, Sumner I., *Pathology* '58
The Miriam Hospital
Dept. of Lab Medicine
Providence, R.I. 02906

Zaidan, James R., *Anesthesia* '75
Second General Hospital
A.P.O., New York, N.Y. 09180

*Zaleske, David J.
2nd Year Resident in Surgery
M.G.H.

*Zalitis, Edward E.
2nd Year Resident on
the Children's Service
M.G.H.

*Zamecnik, Paul C.
Physician
M.G.H.

*Zamenhof, Robert G.A.
Research Fellow in Physics (Radiology)
M.G.H.

Zaouussis, Alexander L., *Orthopaedics* '54
23 Kanari St., Athens, Greece

*Zapol, Warren M., *Anesthesia* '72
Assistant Anesthetist
M.G.H.

*Zarins, Betram, *Orthopaedics* '72
Assistant in Orthopaedic Surgery
M.G.H.

*Zaudy, Eleanore C.
20 St. Paul Street
Brookline, Mass. 02146

*Zavisca, Frank G.
5th Year Resident in Anesthesia
M.G.H.

Zawacki, Bruce E., *Surgery* '67
L.A. County-Univ. So. Cal. Med. Center
1200 State Street
Los Angeles, Calif. 90033

Zeller, John W., *Medicine* '38
272 Oakland St.
Wellesley Hills, Mass. 02181

*Zemer, Deborah
Clinical Fellow in Medicine
B.H.H.C.

*Zervas, Nicholas T., *Neurosurgery* '61
Clinical Associate in Neurosurgery
B.I.H.

*Zielstorff, Rita D.
Assistant in Computer Science (Medicine)
M.G.H.

Zieper, Irving, *Neurology* '58
L.S.H.

Zimbler, Seymour, *Orthopaedics* '62
171 Harrison Avenue
Boston, Mass. 02111

Zimin, Robert J., *Psychiatry* '76
C.H.M.C.

Zinninger, George F., *Radiology* '66
Cooper Medical Center
Camden, N.J. 09103

Zisook, Sidney, *Psychiatry* '73
University of Texas Health Sciences Center
of Houston, Houston, Tx. 77025

*Zitin, Barry R., *Psychiatry* '76
Clinical Assistant in Psychiatry
M.G.H.

Zitin, Melinda K., *Children's* '76
373 Essex Street
Salem, Mass. 01970

Zmyslowski, Walter P., *Anesthesia* '59
28 Marion Ave.,
Worcester, Mass. 01604

*Zola, Irving K.
Consultant Sociologist (Medicine)
Brandeis University
Waltham, Mass. 02154

*Zuckerman, Pamela, *Children's* '75
Clinical Associate on the Children's Service
M.G.H.

Zuelzer, Wolfgang W., *Children's* '37
Children's Hospital, Detroit, Mich. 48202

*Zuger, James H.
3rd Year Resident in Radiology
M.G.H.

Zuidema, George D., *Surgery* '59
Johns Hopkins Hospital
Baltimore, Md. 21205

Zukowski, Henry J., *Anesthesia* '48
72 North Deeplands Road
Grosse Pointe Shores, Michigan 48236

*Zurawski, Vincent R., Jr.
Research Fellow in Medicine
M.G.H.

*Zusman, Douglas R., *Medicine*
2nd Year Resident in Medicine
M.G.H.

Zusman, Randall M.
3rd Year Resident in Medicine
M.G.H.

Zwerdling, Michael A., *Children's* '64
2717 Claremont Boulevard
Berkley, Calif. 94705

*Zwerdling, Robert G.
Assistant in Pediatrics
Cambridge Hospital
Cambridge, Mass. 02139

Zwillich, Clifford W., *Medicine* '72
University of Colorado Medical Center
Denver, Colo. 80220

GEOGRAPHICAL LIST

ALABAMA
Birmingham
Cresanta, Daniel A.
Katz, Nevin M.
McGuffin, William L., Jr.
Perley, Abraham I.
Powell, Sam M., Jr.
Watson, Richard H.
Huntsville
Goodson, William H., Jr.
Mobile
McCullough, David L.
Mountain Brook
Lell, William
South Birmingham
Pittman, James A., Jr.

ARIZONA
Phoenix
Bendheim, Otto L.
Bennion, Lynn J.
Blubaugh, Sidney A.
Wilcox, Roger E.
Tuba City
Porvaznik, John T., Jr.
Tucson
Geha, Dwight E.
Madden, John W.
Otto, Charles W.
Silber, G. Gershon
Tofield, Joshua J.
van Ravenswaay, Arie C.

ARKANSAS
Fort Wainwright
Davies, John A. K.
Little Rock
Diner, Wilma J.
Flacke, Joan W.
Haut, Arthur
Roth, Sanford I.
Wulfson, Howard D.

CALIFORNIA
Anaheim
Berke, Raymond A.
Angwin
Rowe, John C.
Belvedere
Merrill, Bruce R.
Berkeley
Murlas, Christopher G.
Zwerdling, Michael A.
Beverly Hills
Chapman, C. Ethelyn
Ifeld, Frederick W.
Marcy, S. Michael
Bishop
Sheldon, David B.
Boulder Creek
Diamond, David B.
Burbank
Nathan, Martin J.
Burlingame
Amend, William J.C., Jr.
Carmel
Frost, Robert G.
Chula Vista
Goettsch, Elvira
Claremont
Ring, Robert III
Wilcox, John C.
Concord
Battat, Felix A.
Hunt, Richard T.N.
Costa Mesa
Glueck, Michael A.
Owyang, Pauline
Culver City
Bell, Carol A.
Rosen, Victor J., Jr.
Davis
Dreyfus, Pierre M.
Delmar
Shean, Frederic C.
Downey
Stiles, Claire M.
Duarte
Rosen, Robert B.
El Cajon
Livesay, Richard W.
El Centra
Williams, Roger A.
El Cerrito
Mead, Sedgewick
Fontana
Papazian, Clement E.
Fresno
Tan, Chung-Chang
Glendale
Billig, Harvey E., Jr.
Greenbrae
Burke, Mervyn F., Jr.
Hulter, Marilyn N.
Hollywood
Marcus, Donald H.
Huntington Beach
Meister, Lester
Kentfield
Bengle, Armand L., Jr.
LaCanada
Chai, Joyce K. Wong
Laguna Hills
Golden, Ross
LaJolla
Kobayashi, Ronald M.
Sell, Stewart
Stokes, Joseph III
Thomas, Arthur D.
LeMesa
Garrity, Richard W.
Livermore
Mendelsohn, Mortimer L.
Loma Linda
Briggs, Burton A.
Long Beach
Bonomo, Gregory R.
Ellery, Sidney W.
Glenn, William V., Jr.
Karassik, Steven L.
Yip, Larry
Los Altos Hills
Krikorian, John G.
Los Angeles
Ackerman, Irving P.
Arthur, Ransom J.
Ayres, Samuel Jr.
Boyes, Joseph H.
Cahan, Leslie D.
Chaflin, George L.
Cozen, Lewis N.
Forrester, Deborah M.
Francis, Charles K.A.
Harrison, Michael R.
Henderson, Brian E.
Langer, Glenn A.
Lawrence, John S.
Mason, Earle D.
McKeever, Francis M.
Meistrell, Michael L.
Mills, Lloyd, Jr.
Nash, Gerald I.
O'Connell, Theodore X.
Pearson, Carl M.
Rolett, Ellis L.
Rose, Augustus S.
Rosenblatt, Richard M.
Scholl, Albert J.
Schwartz, Harry C.

Shine, Kenneth I.
Sloane, Robert B.
Smith, Daniel H.
Solomon, James
Takacs, Frank A.
Warren, Stafford L.
Wesley, John R.
Wilson, John C., Jr.
Zawacki, Bruce E.

Los Gatos
Stiff, Donald W.S.

Menlo Park
Montgomery, Orland F.

Mill Valley
Hill, William R., Jr.
Layzer, Robert B.

Modesto
Galbraith, Nicoll, Jr.

Mountain View
Finlayson, Norris B.

Napa
Crutcher, William

Novato
Haswell, Howard P.

Oakland
Dunn, Fa-Chi
Duritz, Gilbert
Keller, Albert R.
Lepper, Roy W.
McNie, Allan B.
Orski, Barbara M.
Schoen, Edgar J.
Splithoff, Clarence A.

Orinda
Thomas, Robert L.

Palo Alto
Bunker, John P.
Coh, Roy B.
Hovsepian, Jeannette A.
Korn, David
Kosek, Margaret
Leiderman, P. Herbert
Newell, James W.
Nussbaum, Samuel R.
Perlstein, George
Swett, Richard B.
Tanner, Joseph B.

Palos Verdes Estates
Bauer, Reginald A.

Palos Verdes Peninsula
Barrett, Peter Van D.

Pasadena
Cosby, Richard S.
Gentry, Robert W.

Pebble Beach
Dewey, Edward B.

Rancho Palos Verdes
Lee, Ching-Muh

Redwood City
Seltzer, Ronald A.

Sacramento
Horn, Carl E.

San Bernardino
Roser, Steven M.

San Clemente
Cade, Jerry D.

San Diego
Brannon, Leland C.
Curd, John D.
Ott, Kenneth H.
Peabody, Homer D., Jr.
Schauble, James F.
Smith, N. Ty
Vanderveen, James L.
Ward, Harold W., Jr.

San Francisco
Abrahm, Janet L.
Alston, Edwin F.
Baringer, J. Richard
Barnett, Charles G.
Char, Devron
Dillon, Victor M.
Duff, Arthur W.
Falltrick, Robert T.
Finley, Knox H.
Fishman, Robert A.
Fowler, Charles B.
Harrison, Marlow B.
Hartwig, Arthur R.
Hawk, John C.
Klaeveman, Hayden L.
Lavorgna, John J.
Levin, Victor A.
Levy, S. William
Makel, Harry P.
McNutt, Neil S.
Mellinger, George W.
Moffitt, Herbert C., Jr.
O'Machi, Rooney S.
Pillsbury, Philip L.
Prescott, Richmond
Quinn, Thomas J., Jr.
Pyenson, Leslie R.
Roe, Benson B.
Roizen, Nancy J.
Roseman, Leonard D.
Rukes, J. Max
Sampson, John J.
Sams, Bruce J., Jr.
Saunders, Andrew P.
Seaman, William E.
Shaw, Edward B.
Shaw, Joseph L.
Siperstein, Marvin D.
Smith, Curtis E.
Smith, Lloyd H., jr.
Starke, Rodman D.
Stephens, Willie L.
Tanenbaum, Lewis
Uyeda, Clifford I.
Walter, Thomas K.
Wilson, Edward H., Jr.

San Juan Capistrano
Byers, Randolph K.

San Jose
Brons, Ronald E.
Jackson, Stephen H.
Josse, John W.
McCort, James J.

San Luis Obispo
Spangler, Paul E.

San Mateo
Bernstein, Philip
Campbell, Charles R.
Hills, Oscar W.
Kenner, Gerald
Morrison, Gordon M.
Pearl, Don C.
Ratcliffe, John W.
Smith, Charles M.
Stanski, Donald R.

San Rafael
van Ravenswaay, Theodore

Santa Barbara
Luikart, Ralph H. II
Tanner, James W.
Vitt, Robert P.

Santa Cruz
Blade, William R.
Olson, Daniel J.
Rider, Robert F.

Santa Rosa
Sweat, R. Earle

Sepulveda
Saslow, George

Stanford
Birnholz, Jason C.
Dorman, John M.
Federman, Daniel D.
Jang, Geun C.
Jackson, Stephen H.
Marmor, Jane B.
Sox, Harold C., Jr.
Stunkard, Albert J.
Wilson, John L.

Stockton
Barth, Tucker A.
Brewster, Henry H.
West, Weldon W.

Torrance
Leake, Donald L.
Leake, Rosemary D.
Moyer, Dean LaR.
Shulman, Leonard A.

Truckee
Pier, Gardner
West Los Angeles
Graze, Peter R.
Woodland
Ryan, Kevin G.
Traig, Alatin L.
Woodside
Steinbaum, Lola S.

COLORADO

Boulder
Bedell, Richard F.
McFarland, Robert B.
Colorado Springs
Donald, James H.
Denver
Brown, Robert K.
Claman, Henry N.
Dreisbach, James N.
Eckhardt, Lloyd O.
Eiseman, Ben
Hermann, Gilbert
Hilgenberg, Alan D.
Hughes, Harry C.
Jobe, Merrill C.
Kempezinski, Richard F.
Lehman, Ralph A.W.
Leidholt, John D.
MacMilan, Hugh A.
Matchett, Foster L.
Mitchel, Duane H.
Nellhaus, Gerhard
Organick, Avrum B.
Packard, George B.
Rhine, Mark
Robinson, William A.
Singleton, John W.
Susman, Morris H.
Toll, Giles D.
Waddell, William R.
Winchester, Mark A.
Zwilich, Clifford W.

CONNECTICUT

Andover
Woo, Sybil Wong
Burlington
Clough, Donald M.
Colebrook
Ragland, Stuart, Jr.
Danbury
Fornshell, Robert P.
Farmington
Davidoff, Frank F.
Levine, Joel B.
Pike, Maurice M.
Gales Ferry
Aufranc, St. George T.
Hamden
Hammond, Graeme L.
Hartford
Bower, Bruce F.
Donovan James F.
Fairlie, Chester W., Jr.
Fox, Brendan M.
Freymann, John G.
Greene, Gerald S.
Johnson, Paul R.
Moloney, David R.
Seigle, Stewart P.
Stolman, Joseph M.
Sweet, Elliott B.
Thomas, John B.
Welch, John P.
Manchester
Breer, Robert D.
Milford
Timm, Alexander B., Jr.
Moodus
Berwick, Donald M.
New Britain
Bosco, Harold F.
New Haven
Abrahamian, H. Arto
Baue, Arthur E.
Cook, Charles D.
Dohrmann, George J.
Ewell, John W.
Fagenholz, S. Allen
Farmer, Douglas A.
Finseth, Frederick J.
Fuldner, Russell V.
Glenn, William L.
Goldman, Lee
Greene, Nicholas M.
Hardin, John A.
Harrison, Elizabeth R.
Harvey, Richard B.
Hathaway, John S.
Kopriva, Charles J.
Meigs, J. Wister
Mesaros, Marie A.
Rasmussen, Jane S.
Rothstein, Peter T.
Smith, Howard W.
Thach, William T., Jr.
Whitford, Warren
New Longdon
Barry, Richard M.
Noank
Sutphen, John H.
Norwald
Nulford, Edwin H. II
Rockville
Pina, Burt D.
Sharon
Gevalt, Frederick C., Jr.
Hajek, Joseph V.
Southport
Harris, H. Patterson, Jr.
Stamford
Kraut, Herbert L.
Stratford
Licciardello, Anthony T.
Washington
Tenney, Benjamin
Waterbury
Berg, Gerald R.
West Hartford
Coley, Mary S.
Hepburn, Robert H.
Klein, Michael D.
Riege, David H.
West Haven
Boger, William P.
Woodstock
Forbes, Cecile P.

DELAWARE

Wilmington
Maroney, John W.

DISTRICT OF COLUMBIA

Blumenthal, David
Breslow, Alexander
Burke, Donald S.
Cantor, Frederick K.
DePriest, Oscar S.
Dinarello, Charles A.
Fink, David J.
Greene, Mark H.
Heller, Robert S.
Hobson, Lawrence B.
Koppel, Elizabeth A.
Lussenhop, Alfred J.
Minna, John D.
Nigra, Thomas P.
Nimetz, Allen A.
Randolph, Judson G.
Raphling, David L.
Ruffin, Marshall deG.
White, Alan F.
Wood, William E.

FLORIDA

Boca Raton
Saunders, George M.
Clearwater
Barrett, John P.
Logue, Patrick J.

Cocoa Beach
Crawford, George F.
Deerfield Beach
Fish, James E.
Fort Lauderdale
Simon, Royal L.
Fort Pierce
Waring, Elmar S.
Gainesville
DeBusk, Franklin L.
Kaufman, Herbert E.
Keitt, Alan S.
Shiebler, Gerold L.
Wheeler, William F., Jr.
Jacksonville
Conn, Melvin L.
Davis, James McC.
Lakeland
Fuller, Henry
Smith, Robert S.
Miami
Ehrenkranz, N. Joel
Levey, Gerald S.
Mnaymneh, Walid A.
Sanders, Jay H.
Williams, Willis H.

Miami Beach
Caplan, Lewis
Civantos, Francisco
Greenberg, Jack J.
Naples
Williams, Roger N.
Orange Park
Dedrick, Carolyn G.
Dedrick, Daniel F.
Orlando
Broome, Robert A.
Eliscu, Edward H.
Palm Bay
Sycamore, Leslie K.
Panama City
Provan, John
Pensacola
Holmes, S. Grant
Pinellas Park
Durso, John J.
Puman County
Sheldon, Charles P.
St. Petersburg
Baker, William G., Jr.
Sarasota
Clement, S. Preston, Jr.
Lewis, Allen S.
Malkin, Richard B.
Patterson, Russell H.
Sewell, Jack B.
Shamsey, Robert L.
Vance, Robert G.
South Miami
Justi, Raymond A.
Tampa
Drewry, Garth R.
Fernandez, Raymond J.
O'Connor, Thomas A.
Venice
Radcliffe, Ernest J.
Warrington
Graybiel, Ashton

GEORGIA
Atlanta
Cobbs, Beverly W., Jr.
Craver, Joe M.
Dillon, Harold T., Jr.
Dimon, Joseph H. III
Dixon, Richard E.
Donnelly, Elwin W.
Donnelly, Elwin W.
Ferguson, Ira A., Jr.
Liss, Robert A.
Rosenberg, Mark L.
Stone, Lawrence B.
Trowbridge, Frederick L.
Tuttle, Elbert P., Jr.
Augusta
Goodale, Fairfield, Jr.
Haas, Melvyn L.
Brunswick
Ward, Albert J.
Carrolton
Brock, Benjamin L.
Columbus
Vaughan, Robert H.
East Point
Tucker, Robert P.
Gainsville
Banks, Rafe, Jr.
LaGrange
Copeland, Robert B.
Marietta
Mathis, William H., Jr.
Marisha
Wheeler, James H.
Savannah
Brown, F. Bert
Carlton, Frank E.
Sea Island
Wood, James A.
Smyrna
Eaton, S. Boyd

HAWAII
Honolulu
Severson, Larry J.
Straehley, Clifford J., Jr.
Wong, Livingston M.F.
Yee, Lester P.K.
Kaneohe
Stewart, Steele F.

IDAHO
Boise
Flint, Gregory L.
Myers, Harvey A.P.

ILLINOIS
Argonne
Brues, Austin M.
Chatham
Miller, William L.
Chicago
Arnason, Barry G.W.
Braudo, Joseph L.
Brown, R. Gordon
Capps, Richard B.
Coolidge, Thomas B.
DeGroot, Leslie J.
Drachman, David A.
Fisher, Morris A.
Freinkel, Ruth K.
Goldberg, Leon I.
Goulian, Mehran
Herbst, Arthur L.
Howe, Henry F.
Kahan, Barry D.
Meyer, Harold I.
Mixter, George, Jr.
Moss, Gerald S.
Nilges, Richard G.
Oparil, Suzanne
Paul, Oglesby
Rabinowitz, Murray
Replogle, Robert L.
Richman, David P.
Rosenberg, Irwin H.
Shorey, William D.
Strulberg, S. David
Weinger, Jesse M.
Weinstein, Ronald S.
Hinsdale
Hall, Buford
Jacksonville
Norbury, Frank B.
Joliet
Boyd, Robert E. III
LaGrange
Fazioli, Ruth A.
Lake Bluff
Ward, John L.
Lake Forest
Stretson, John B.
Springfield
McGann, Robert C.

Urbana
Bloomfield, Daniel K.
Waukegan
Waldman, Jerome

INDIANA
Anderson
Weiss, Louis L.
Hammond
Peiffer, Geraldine M.
Indianapolis
Donohue, John P.
Hamilton, Howard B.
Mealey, John, Jr.
Wishard, William N., Jr.
Richmond
Kennedy, Robert P.

IOWA
Cedar Falls
Harden, Lewis B.
DesMoines
Gordon, Arnold M.
Iowa City
Corry Robert J.
Helms, Charles
Larson, Carroll B.
Locksley, Herbert B.
Waterloo
Bickley, Donald W.

KANSAS
Kansas City
Stewart, David R.

KENTUCKY
Anchorage
Towery, Beverly T.
Lexington
Hutton, John J., Jr.
Mansky, Peter A.
Maruyama, Yosh
Sandifer, Myron G., Jr.
Scott, Thornton
Wheeler, Warren E.
Louisville
Atherton, L. Douglas
Bate, John T.
Canty, Timothy G.
Harter, John S.
Roberts, Mark C.
Westerfield, Larry H.

LOUISIANA
Baton Rouge
Hansen, Robert H.
Madey, Stephen L.
New Orleans
Beckman, Edwin
Morris, Harry D.
Sullivan, Philip H.
Shreveport
Embree, Larry J.
Ledbetter, Betsy A.
Reed, Carson R., Jr.

MAINE
Auburn
Thacher, Henry C.
Augusta
Collins, H. Douglas
Stinchfield, Alan J.
Bangor
Brown, Lloyd
Brown, Robert H.
Clement, James D., Jr.
Kaiser, John S.
Veits, Harold R.
Bar Harbor
Gilmore, Edward B.
Haynes, Ormond
Bath
Burden, Charles E.
Brunswick
Macomber, Donald
Cape Elizabeth
Stocks, Joseph F.
Cumberland Forestside
MacDougal, Bruce A.
Ellsworth
Suyama, Eji
Friendship
Frost, Harold M.
Kittery
Snyder, Monica H.
Snyder, William H., Jr.
Lewiston
Bach, Michael C.
Portland
Bedwell, Robinson LeR. II
Crothers, Omar D. III
Fritz, Ronald E.
Gilbert, Stuart G.
Hawkes, Richard S.
Hiebert, Clement A.
Leonard, Laurence M.
Thompson, Philip P., Jr.
Ware, Roland G., Jr.
Readfield
McPhedran, Alexander M.
Saco
Stevens, Harold W.
Sanford
Ogden, Ralph T.
Scarborough
FitzHugh, Greene

MARYLAND
Baltimore
Becker, Lewis C.
Clemmons, David R.
Firminger, Harlan I.
Friedman, Stanford B.
Fritz, William F.
Gay, Leslie N.
Howard, John E.
Imbembo, Anthony L.
Johnson, Richard T.
King, W. Bradley, Jr.
Kumpe, David A.
Littlefield, John W.
Marshall, Fray F.
Mayer, Richard F.
McIntyre, Patricia A.
Middlebrook, Gardner
Moser, Hugo
Ryan, James
Schaeffer, Allen H.
Symonds, Daniel A.
Talalay, Paul
Talamo, Richard C.
Von Kessler, Kirby L.C.
Walsher, Mackenzie
Weisfeldt, Myron L.
Zuidema, George D.
Bethesda
Ackerstein, Harold
Anderson, Jeffrey L.
Ashbury, Robert F.
Ballenger, James C.
Berzofsky, Jay A.
Borer, Jeffrey S.
Botstein, Paul M.
Brewer, H. Bryan, Jr.
Brown, Crawford S.
Burke, Robert E.
Chase, Thomas N.
Cohen, Philip
Cole, Enser W. III
Collins, Robert C.
Crystall, Ronald G.
Derkac, Wayne M.
Doroshow, James H.
Eron, Lawrence J.
Fisher, Richard I.
Gardner, David G.
Gimbrone, Michael A., Jr.
Goodgame, John T.
Grave, Gilman D.
Herberman, Ronald B.
Hochberg, Mark S.

Hodes, Richard J.
Hooper, David C.
Hosea, Stephen W.
Howley, Peter M.
Klempner, Mark S.J.
Kolins, Jerry
Koopman, William J. III
Levis, William R.
Levy, Ronald
Lipson, Lewis C.
Lowe, Charles U.
Marx, Stephen J.
Meltzer, Monte S.
Mudd, S. Harvey
Nathan, Carl F.
Parillo, Joseph E.
Popper, Charles W.
Post, Robert M.
Reppert, Steven M.
Rogentine, George N., Jr.
Rose, Morton H.
Rosen, Robert A.
Sachs, David H.
Scardino, Peter T.
Schaner, Everett G.
Schott, Chester F.
Schulman, Joseph D.
Scolnick, Edward M.
Scott, William C. II
Smith, R. Graham
Spiegel, Allen M.
Tenpas, John H.
Thorpe, William P.
Waldmann, Thomas A.
Webster, Henry deF.
Wolff, Jan
Young, Neal S.

Chevy Chase
Anderson, Frank H.
Broadus, Arthur E.
McFarlane, Anne D.

Columbia
Currie, Richard D.

Easton
Gieske, Judith P.
Harper, David T., Jr.

Gaithersburg
Wilson, Norman E.

Kensington
Brooks, Benjamin G.

Owings Mills
Greene, D. Crosby, Jr.

Rockville
Agus, Saul G.
Cohen, Max H.
Regier, Darrel A.
Sheagren, John N.
Williams, Melvin W.

Silver Spring
Mirkin, Gavriel B.
Waldmann, Katharine S.

Sparks
Isaacs, James P.

Towson
Adams, John E.

MASSACHUSETTS

Abington
Squires, Homer J.

Acton
Boardman, Donnell W.

Andover
Seeley, Clinton B.
Weylman, Walter

Amherst
Schwartz, Daniel P.

Arlington
Burbank, Charles B.
Chaglasian, John H.
Herzan, Helen M.
Olin, Morton J.
Saunders, Gordan A.

Attleboro
Hill, Leonard W.

Auburndale
Levine, Herbert O.

Bedford
Clifford, H. Henry

Belmont
Bornstein, Irving D.
Crone, Neil L.
deMarneffe, Francis L.A.
Dierker, Louise A.
Farnsworth, Dana L.
Fern, Donald J.
Fischberg, Bruce W.
Howard, Paul M.
Hurston, Ronald O.
Kagan, Jerome
Mueller, H. Peter
Norcross, John W.
Ross, Margaret S.
Siever, Larry J.
Sleeper, Edward L.
Stanton, Alfred H.
Toll, Karel van Syckel
Walter, Mark M., Jr.
Washburn, Stephen L.
Weingarten, Charles H.
Woods, Bryan T.

Beverly
Alt, Richard E.
Bacon, William B.
Caudill, Estill L.
Hewson, James S.
Kimball, Peter G.
Lambins, Burham E.
MacDonald, Alexander S.J.
Maloney, Randolph D.
Ott, William J., Jr.
Parkhurst, Albert E.
Risley, Thomas S.
Shea, Thomas E.
Sneddon, Ernest A.

Boston
Aaron, Roy K.
Abbott, John A.
Abbott, William M.
Abernethy, Robert S.
Abraham, Henry D.
Abramowitz, Harold
Ackerman, Robert H.
Ackil, Albert A.
Adair, Luther B.
Adams, F. Dennette
Adams, John, Jr.
Adams, Raymond D.
Adams, William P.
Addante, Rocco R.
Ahuluwalia, Bhagwat D.
Aisenberg, Alan C.
Albert, Thomas W.
Albright, Nile
Ali, Hassan H.
Allen, Benjamin F.
Allen, Henry F.
Allsop, John R.
Allyn, Thomas R.
Alonso, Anne W.
Alpert, M. Elliot
Alpert, Nathaniel M.
Altbaum, Robert A.
Althausen, Alex F.
Alton, William J.
Amadio, Peter C.
Ames, Adelbert III
Ammons, John R.
Anderson, William H.
Andres, Joel M.
Andrew, Norman W.
Andrews, Ellen M.
Antonio, Robert P.
Antoon, Alia Y.
Aprille, June R.
Apter, Roy J.
Aquino, Telmo M.
Arees, Edward A.
Armentano, Marie E.
Arndt, Kenneth A.
Arownow, Saul
Arnold, Ben A.
Arroyo-Master, Maria D.
Askeroff, Bernard R.
Astrom, Karl E.

Athanasoulis, Christos A.
Atkins, Leonard
Atweh, Samir F.
Auchincloss, Hugh Jr.
Auerbach, David A.
Aufranc, Otto E.
Ausiello, Dennis A.
Austen, K. Frank
Austen, W. Gerald
Autor, Sherry B.
Averill, Robert M., Jr.
Avruch, Joseph
Axelrod, Lloyd
Bacon, K. Terry
Baden, Howard P.
Badger, Theodore L.
Baker, Ann L.S.
Baker, George P.
Baker, Myles P.
Baker, Stuart B.
Baker, William H.
Balboni, Victor G.
Baldessarini, Ross J.
Baldwin, John C.
Ballantine, H. Thomas Jr.
Ballentyne, Keith
Banks, Henry H.
Barker, Robert H.
Barlow, John S.
Barnes, Benjamin A.
Barnett, G. Octo
Barnett, Ricki Z.
Baron, Jean-Claude
Barr, Joseph S., Jr.
Barry, Herbert, Jr.
Barsh, Lawrence I.
Barsky, Arthur J.
Bartlett, Scott P.
Batch, Kenneth H.
Bates, Robert J.
Battit, George E.
Baum, Victor C.
Bauman, Margaret L.
Bauman, Roger A.
Bear, David M.
Beardslee, William R.
Beck, William S.
Becker, Carter M.
Becker, Daniel I.
Becker, David J.
Behringer, Glenn E.
Beitins, Inese Z.
Beller, George A.
Belsey, Richard E.
Benfari, Mary Jane F.
Benz, Ronald R.
Bercu, Barry B.
Berenberg, William
Bergman, Ira
Berkowitz, Leonard B.
Bernad, Peter
Bernstein, Norman R.
Bertolami, Charles N.
Beyer, Catherine H.
Bhan, Atul K.
Bierbaum, Benjamin E.
Bigby, Michael E.
Biggs, Peter J.
Billie, James D.
Bird, Kenneth T.
Biswas, Chitra
Biswas, Ritendra
Black, Edward B.
Black, Paul H.
Black, Peter M.
Blacker, Edward
Bland, Edward F.
Bland, John H.L.
Blank, Irvin H.
Bloch, Kurt J.
Block, Peter C.
Bloom, Edward R.
Blumer, Dietrich P.
Bode, Hans H.
Bodnar, Andrew G.
Bogosian, Armen J.
Bojar, Robert M.
Boland, Arthur L.
Bondoc, Conrado C.
Bonventre, Joseph V.
Borah, Gregory L.
Borden, Spencer IV
Borofsky, Gerald L.
Borus, Jonathan F.
Boucher, Robert
Bowie, Jack E.
Boyd, Peter R.
Boyd, Robert J.
Boyer Arthur L.
Braitman, Barbara S.
Brand, Don J.
Braslow, Nelson M.
Braun, Jory L.
Brem, Steven
Brendze, Robert B.
Brewster, David C.
Bridges, Kenneth R.
Bringhurst, Franklin R.
Briselli, Michael F.
Broudy, Arnold S.
Brown, C. Alan
Brown, Stephen G.
Brown, Thornton
Browne, Thomas R.
Brownell, Gordon L.
Bruner, John M.R.
Bruns, Romaine R.
Bucher, Nancy L.R.
Buckley, Mortimer J.
Burdick, James F.
Burke, John F.
Burnes, Daniel C.
Burnham, Charles A.
Burns, Barbara J.
Burstein, Nelson A.
Burton, James A.
Bush, Michael A.
Bushnell, Leonard S.
Cable, William J.
Calderwood, Stephen B.
Campbell, Crawford J.
Campion, Edward W.
Cancelosi, Susan E.
Caner, G. Colket
Canessa, Mitzy L.
Cannellos, George P.
Cannon, Bradford
Cannon, Helen C.
Cannon, Lovick E.
Cannon, Woodward
Caplan, Gerald
Caplan, Louis R.
Carabello, Blase A.
Carey, Robert W.
Carter, Edward A.
Carter, Edwin L.
Carvalho, Angelina C.
Cass, John W.
Cassem, Edwin H.
Casten, Virgil G.
Castleman, Benjamin
Castro, Francisco R.
Castronovo, Frank P., Jr.
Caufield, Page W.
Cavanaugh, James J.A.
Caviness, Verne S., Jr.
Chaharyn, Joanne C.
Chan, William B.
Chandler, Hugh P.
Chang, Gloria J.
Chapin, David S.
Chapman, Earle M.
Chapman, Paul H.
Chayet, Neil L.
Chedekel, David S.
Cheeseman, Sarah H.
Chelmicka-Kizlich, Ewa E.
Cheng, Vincent S.
Cherlin, Richard S.
Chesler, David A.
Chess, Leonard
Chiang, Han Twu
Chiappa, Keith H.
Chin, William W.

Choi, Chan H.
Chou, Iih-Nan
Chriutopher, Charles W.
Chu, Ann Maria
Chuong, Robert
Churchill, W. Hallowell, Jr.
Clark, Mark W.
Clark, Mary B.
Clark, Richard A.
Clegg, Herbert W.
Clifford, Stewart H.
Cloherty, John P.
Clouse, Melvin E.
Cochavi, Saadia
Cochran, William D.
Codington, John F.
Coggins, Cecil H.
Cohan, Lawrence D.
Cohen, Alfred M.
Cohen, Benjamin E.
Cohen, Carla B.
Cohen, George L.
Cohen, Jonathan
Cohen, Mandel E.
Cohen, Raquel E.
Cohen, Richard B.
Cohen, Suzanne L.
Cole, Edwin M.
Coleman, William S.
Colvin, Robert B.
Common, Jane R.
Concannon, Robert N.
Connolly, Thomas W.
Constable, John D.
Cook, I. Kathleen
Coons, Albert H.
Cooper, David S.
Cooper, Jeffrey B.
Cope, Oliver
Cordero, Jose F.
Cordova, Arturo
Cori, Carl F.
Correia, John A.
Correll, Joan E.
Cosimi, A. Benedict
Covino, Benjamin G.
Crapo, Lawrence M.
Crawford, John D.
Crone, Robert K.
Cronkhite, Leonard W., Jr.
Crooks, Kiran K.
Cullen, David J.
Culver, Perry J.
Curfman, Gregory D.
Curren, Franklin C.
Currens, James H.
Curwen, William L.
Cywinski, Josef K.
Daggett, Willard M., Jr.
Dagi, Teodoro F.
Dalton, Brian C.
Dalton, John C.
Daly, James J.
Daly, John S.F.
Daniels, Gilbert H.
Darling, R. Clement
d'Autremont, Chester C.
David, John R.
Davidson, Betty A.
Davies, Michael J.
Davies, Wayne A.
Davis, James M. III
Davis, Joseph E.
Davis, Kenneth R.
Davison, J. Kenneth
Day, Calvin L., Jr.
Day Max
Dayer, Jean-Michael
DeBros, Frederick M.
DeLaney, Allen G.
Delevett, Peter C.
Delong, G. Robert
Dembner, Alan G.
Demirjian, Zareh N.
Dervan, Peter A.
DeSanctis, Roman W.
de Toeuf, Jacques
Deveau, Linda A.
Deykin, Daniel
DiBona, Ronald R.
Dicecca, Charles A.
Dickerson, G. Richard
Dienstag, Jules L.
DiMarco, John P.
Dimsdale, Jeol E.
Dineen, James J.
Dinsmore, Robert E.
Dixon, Suzanne D.
Dodson, Thomas F.
Dohan, Francis C., Jr.
Donaldson, Gordon A.
Donaldson, Magruder C.
Donelan, Matthias B.
Donlon, John V., Jr.
Donoff, R. Bruce
Donovan, Donald D.
Dooling, Elizabeth C.
Doppke, Karen P.
Dosoretz, Daniel E.
Dos Santos, Maria Julia L.
Doyle, Gerald J.
Dretler, Stephen P.
Drew, Michael A.
Dreyfuss, Jack R.
Drop, Lambertus J.
DuComb, Laurence E.
Dudani, Niranjankumar
Dumont, Matthew P.
Durant, Thomas S.
Dvorak, Ann M.
Dvorak, Harold F.
Dworin, Aaron M.
Dywer, Thomas F.
Dzau, Victor J.
Earls, Felton J. III
Eastham, Edmund J.
Easter, Joyce A.
Ebeid, Amin M.
Edmondson, Richard H.
Egloff, Sieglinde
Ehrlich, H. Paul
Ehrlich, Michael G.
Ehrlich, Paul H.
Eisenberg, Leon
Eisenthal, Sherman
Eliot, Gail R.
Ellis, Daniel S.
Ellis, Guy T., III
Ellis, Lawrence B.
Ellis, Ronald D.
Ellman, Leonard L.
Elmaleh, David R.
Elman, Arthur J.
Emerson, Clifton W.
Engel, Lewis L.
England, Albert C., Jr.
Epp, Edward R.
Epstein, Michael F.
Erbe, Richard W.
Erdmann, A. John III
Erman, Milton K.
Escourrou, Jean C.
Esslinger, John O.
Evans, Robert E.
Eyre, David R.
Ezpeleta, Mariano L., Jr.
Fahmy, Nabil R.
Faix, James D.
Falk, William E.
Fallon, John T.
Fang, Leslie S.
Bashir-Farahmand, Jaleh
Farhadi, Amir M.
Farhadi, Maria S.
Farnham, Jack E.
Farquhar, Barbara B.
Fawcett, Don W.
Feingold, Murray
Feller, Edward R.
Ferguson, Charles M.
Ferraro, Nalton F.
Ferrell, Robert W., Jr.
Ferris, Benjamin G.
Ferrucci, Joseph T.

Field, Mark G.
Field, Richard A.
Fine, Jacob
Finkelstein, Stan N.
Finkelstein, Warren
Fischer, Edwin G.
Fischer, Josef E.
Fischer, Keith C.
Fischetti, Michael R.
Fisher, C. Miller
Fishman, Mark C.
Fisk, Samuel H.
Fitzpatrick, Thomas B.
Fiumara, Nicholas J.
Fleming, T. Corwin
Flynn, Michael A.
Folkman, M. Judah
Foote, Warren E.
Forbes, Anne P.
Ford, Henry C.
Foster, Gerald S.
Fox, Jonathan L.
Fox, Sherman
Fozard, James L.
Francis, Martin J.O.
Frank, Arlene F.
Frankel, Freddy H.
Franseen, Clifford C.
Fraser, Helen R.
Frazier, Howard S.
Freedberg, Irwin M.
Freedman, Harold J.
Frega, Norberto S.
Fremont-Smith, Maurice
Freund, Herbert R.
Friedberg, Carl E.
Friedlaender, Robert P.
Friedlich, allan L.
Friedman, Joel
Friedman, Rochelle R.
Friedman, Ronald D.
Fromer, John L.
Fuleihan, Samir F.
Fuller, Arlan F.
Fuller, Thomas C.
Funkenstein, H. Harris
Gagliano, Angelo
Galabini, James J.
Gale, Arnold D.
Gallagher, Michael J.
Galli, Stephen J.
Gambill, John D.
Gammon, Maureen T.
Ganczewski, Ann C.
Gang, David L.
Ganz, Peter
Ganz, Robert N.
Garan, Hasan
Gardella, Joseph W.
Gardner, George E.
Gardner, George E.
Gardner, Phyliss I.
Garg, Hari G.
Garland, Rebecca C.
Garrett, Patricia E.
Gates, Phillip H.
Gayes, James M.
Geffin, Bennie
Geffin, Gillian A.
Gelenberg, Alan J.
Gellis, Stephen E.
Gelman, Martin L.
George, Anthony
Gerber, Bernard M.
Gergely, John
Gerweck, Leo E.
Gibbons, Raymond J.
Gibbs, Richard F.
Gibson, Robert C.
Gilbert, Jeffrey M.
Gilchrest, Barbara A.
Ginns, Leo C.
Gissen, Aaron J.
Gittes, Ruben F.
Glick, Hyman
Glick, Thomas H.
Glicklich, Earl A.
Glimcher, Laurie H.
Glimcher, Melvin J.
Glotzer, Donald J.
Godine, John E.
Goings, Stella A.
Goitein, Michael
Gold, Herman K.
Goldberg, Alan H.
Goldblatt, Allan
Goldfein, Michael L.
Goldfinger, Stephen E.
Goldman, Eli
Goldmann, Donald A.
Goldring, Steven R.
Goldstein, Mark A.
Goldstein, Richard L.
Goldstein, Robert J.
Gonzales, Jose R.
Gonzalez, Ernesto
Gonzalez, Ricardo V.
Goldman, Max L.
Goodson, John D.
Gordon, Christopher D.
Gordon, Peter H.
Gordon, Robert O.
Goresky, Gerald V.
Goroll, Allan H.
Gorski, Peter A.
Gottlieb, Sheldon K.
Goudsouzian, Nishan G.
Grabias, Stanley L.
Gravlee, Glenn P.
Grayson-Christi, Lenard
Green, Thomas H., Jr.
Greenberg, Robert S.
Greenblatt, David J.
Greene, Reginald E.
Greenes, Robert A.
Greenfield, Alan J.
Greenleaf, David T.
Greenspan, Peter T.
Greenstein, Robert
Greenwald, Michael A.
Greilsheimer, Howard M.
Griesemer, Robert D.
Griffin, James D.
Grillo, Hermes C.
Griscom, N. Thorne
Groopman, Jerome E.
Groshong, Regina
Gross, Jerome
Gross, Peter L.
Grossman, Jerome H.
Grover, James E.
Gruber, Gabriel G.
Grunfeld, Carl
Guggenheim, Frederick G.
Guiney, Timothy E.
Gulati, Amar N.
Gunderson, Leonard L.
Guralnick, Walter C.
Guyton, Robert A.
Guyton, Steven W.
Habener, Joel F.
Haber, Edgar
Haber, Jerome
Haber-Cohen, Andrea D.
Hackett, Thomas P.
Hales, Charles A.
Hall, Clive L.
Hall, Deborah A.
Hallowell, Phillips
Halsted, Douglas O.
Hammerman, Marc R.
Hammond, Denis B.
Hammond, M. Elizabeth H.
Hand, Bernard R.
Hann, Lucy E.
Hanna, Eleanor Z.
hansen, Reid H.
Hanson, Eric C. T.
Harbin, William P.
Harkness, Stephen H.
Harley, William D.
Harmel, Richard P., Jr.
Harris, Francis D.
Harris, Jeffrey E.

Harris, William H.
Harrist, Terence J.
Harthorne, J. Warren
Harvey, Joan
Hawes, Lloyd E.
Hayden, Jay G.
Hayes, Hamilton R.
Hazard, William L.
Head, John M.
Heaney, John A.
Hedberg, Stephen E.
Hedley-Whyte, John
Heller, Daniel G.
Helme, Robert D.
Hendren W. Hardy
Heney, Niall M.
Henley, John W.
Henneman, Elwood
Hensle, Terry W.
Heros, Roberto C.
Herrin, John T.
Herscovics, Annette A.
Hicks, Robert H., Jr.
Hier, Daniel B.
High, William L.
Highberger, John H.
Hill, William R., Jr.
Hillier, Robert K.
Hinton, Richard C.
Hirsch, Martin S.
Hirschfield, Irvin N.
Hnatowich, Donald J.
Hobbs, Eleanor T.
Hockachka, Peter W.
Hochberg, Fred H.
Hodgson, Humphrey J.
Hoffer, Edward P.
Hoffman, Andrew R.
Hoffman, Robert M.
Holder, Richmond
Holick, Michael F.
Holmes, Lewis B.
Holter, Arlen R.
Homcy, Charles
Hood, Antoinette F.
Hood, Roger W.
Hoop, Bernard, Jr.
Hoover, Herbert C., Jr.
Hopkins, Cyrus C.
Horwitz, Ralph I.
Howard, Stephen D.
Howe, Henry D.
Howell, Mary C.
Huber, William M.
Huddleston, James I.
Hueter, David C.
Hugenberger, Paul W.
Huggins, Charles E.
Humphreys, Storer P.
Hunt, Jettie V.
Hurley, Pamela M.
Hutcheson, Bellenden R.
Hutter, Adolph M., Jr.
Hyslop, Newton E., Jr.
Ingersoll, Francis M.
Inglis, George B.
Irr, Joseph D.
Irwin, David
Irwin, John W.
Isler, Robert J.
Isselbacher, Kurt J.
Jacobs, Edward E., Jr.
Jacobs, Marshall L.
Jacobsen, Stephen J.
Jacobson, Bernard M.
Jacobson, Gary
Jacoby, George A., Jr.
Jacoby, Lee B.
Jaffer, Farooq
Jampel, Robert M.
Jasinka, Miroslawa T.
Javaheri, Shahrokh
Jayasankar, Subramanyan
Jean-Baptiste, Michel
Jeanloz, Robert W.
Jeffrey, Charles C.
Jellinek, Michael S.
Jennings, Michael R.
Jergensen, Harry E.
Johnson, Allen C.
Johnson, Eric H.
Johnson, G. Timothy
Johnson, Houston, Jr.
Johnson, Neil R.
Johnson, Richard A.
Johnson, Robert A.
Johnson, Sylvia C.
Johnson-Muller, Barbara P.
Jones, Frederick L.
Jones, Thomas H.
Jones, William Norman
Joseph, Brian S.
Jovenich, James J.
Jung, Andre'
Jung, Walter K.
Jupiter, Jesse B.
Justice, Norma S.
Kaban, Leonard B.
Kadir Saadon
Kahan, Ronald S.
Kalckar, Herman M.
Kalish, Martin L.
Kalisher, Lester
Kamely, Daphne
Kanarek, David J.
Kane, Lewis W.
Kane, Robert A.
Kaplan, Donald M.
Kaplan, Joan C.
Kaplan Richard F.
Karchmer, Adolf W.
Karian, Edward
Karlson, Karl H.
Karnovsky, Morris J.
Kase, Carlos S.
Kaufman, Jeffrey L.
Kaufman, Sheldon D.
Kay, Harold R.
Kazanjian, Kenneth A.
Kazemi, Homayoun
Keenan, M. Edward
Keenan, Thomas J.
Keim, Daniel E.
Keith, David A.
Kelleher, Thomas R.
Keller, John W.
Keller, Martin B.
Keller, Robert B.
Kelley, Rita M.
Kelly, Dorothy H.
Kelly, Jeane M.N.
Kelly, John P.W.
Kemler, Barry J.
Kennedy, Sean K.
Kenney, Robin O.
Kerr, Wlater S., Jr.
Ketchum, William F.
Kety, Seymour S.
Keutmann, Henry T.
Khaw, Ban-An
Kiang, Nelson Y.S.
Kidson, Iain G.
Kieffer, J. David
Kien, Craig L.
Kikuchi, Yuzo
Kim, Jin Woo
Kim, Samuel H.
Kimball, William R.
King, Mary Etta
Kirklin, James K.
Kirkpatrick, Rob H.
Kirshenbaum, Howard D.
Kirshner, Howard S.
Kistler, J. Philip
Kitajima, Masaki
Kitz, Richard J.
Kjellberg, Raymond N.
Klein, Jerome O.
Kleinman, George M.
Kleinman, Stephen C.
Klerman, Gerald L.
Kliman, Alan
Kliman, Bernard
Klock, John C., Jr.

Knapp, Peter H.
Kneisel, John J.
Kobayashi, Koichi
Kolodny, Edwin H.
Kolodny, Gerald M.
Kolodny, Nancy H.
Kolotkin, Richard A.
Konstam, Marvin A.
Kopans, Daniel B.
Korfhagen, Thomas R.
Kornblith, Paul L.
Kosinski, Katherine S.
Kouretas, Nicholas D.
Kourides, Ione A.
Kozol, Harry L.
Krakauer, Randall S.
Kramer, Marc S.
Krane, Stephen M.
Kranes, Alfred
Krauthammer, Charles
Kravitz, Laurence J.
Krishamoorthy, Kalpathy S.
Krogstad, Donald J.
Kronenberg, Henry M.
Krop, Thomas M.
Krug, Ernest F. III
Kubilus, Joseph
Kucharski, Anastasia
Kuehnle, John C.
Kuehnle, Kristen J.
Kugimiya, Toyoki
Kulprathipanja, Santi
Kumar, Ajit
Kumar, Joan R.
Kunz, Lawrence J.
Kushner, David C.
Kwan, Theodore H.
Labarca, Pedro
LaBella, Louis C.
Lable, Ira
Ladenson, Paul W.
Lahey, Philip J.
Lahiry, Subrat K.
Lake, Alan M.
Landis, Dennis M.
Landry, Leopold D., Jr.
Lane, Philip E.
Lapey, Allen
Lappas, Demetrios G.
Latta, William B.
Laver, Myron B.
Laverdiere, Donna L.
LaVigne, Gregory L.
Lavyne, Michael H.
Lawrence, Michael
Lawry, George V. II
Lazar, Gerald K.
Lazare, Aaron
Leaf, Alexander
Leape, Lucian L., Jr.
Lebowitz, Philip W.
Lee, Loretta D.
Lee, Yhu-Hsiung
Leffert, Robert D.
Lehrich, James R.
Lehrman, Sandra N.
Leinbach, Robert C.
LeMay, Marjorie J.
Lerman, Jacob
Lerner, Norma B.
Leslie, Bruce R.
Lessing, Mark E.
Letvin, Norman L.
Levene, Martin B.
Lever, Walter F.
Levine, Barry W.
Levine, David N.
Levine, Frederick H.
Levine, Herbert J.
Levine, Robert A.
Levisohn, Stephen R.
Levy, Harvey L.
Lew, Michael A.
Lew, Robert A.
Lewis, Michael B.
Lewis, Richard B.
Liberfarb, Ruth M.
Liberthson, Richard
Lichtenstein, Norman S.
Liland, Astrid E.
Lillehei, Craig W.
Lincoln, Robert C.
Linder, Scott Van
Ling, Ching C.
Lingeman, Avis J.
Linggood, Rita M.
Link, David A.
Link, Jennifer L.
Linsenmayer, Thomas F.
Lipinski, Joseph F.
Lippiello, Louis
Lipson, Loren G.
Lipson, Manuel J.
Lipson, Stephen J.
Liteplo, Merrill G.
Little, John B.
Liu, Letty M.
Liu, Philip
Llewellyn, Henry
Lloyd, John B.
Lo, Hing-Har
Lombrosso, Cesare T.
Long, John A.
Long, John C.
Long, Michael C.
Lorefice, Laurence S.
Lorenz, Maria
Lorman, Constance E.
Lott, Ira T.
Lovett, Michael A.
Lowell, Francis C.
Lowell, J. Drennan
Lowenstein, Edward
Lowis, Samuel
Ludwig, Alfred O.
Lupien, Gordon F.
Lytle, Bruce W.
Mabrey, Roy E.
MacAusland, William R., Jr.
Maccabee, Paul J.
MacDonald, Martha J.
Mackay, Malcolm
Macknight, Anthony D.C.
Macknin, Michael L.
MacLaughlin, David T.
Macmilan, Alexander S., Jr.
Magarian, Howard S.
Mahaffey, Jane E.
Maier, Ward R.
Majzoub, Joseph A.
Malamud, Daniel F.
Maloof, Farahe
Malt, Ronald A.
Manalan, Steven A.
Mancini, Eduardo
Mandel, Michael R.
Mankin, Henry J.
Mann, Walter
Mannik, John A.
Manschreck, Theo G.
Marble, Alexander
Margolies, Michael N.
Margrabia, Miriam G.
Mark, Eugene J.
Mark, Vernon H.
Marotta, Charles A.
Martin, Albert R.
Martin, Donald B.
Martino, Joseph A.
Martuza, Robert L.
Martyn, J.A. Jeevendra
Masland, Richard H.
Mason, Edward A.
Mass. Lawrence D.
Masters, Colin L.
Masters, Richard
Mathe, Aleksander
Mathieu, Alix
Mathis, Richard K.
Mathisen, Douglas J.
Matsueda, Gary R.
Matsuno, Takeo
Matthysse, Steven W.
Maxwell, Samuel L.

May, James W., Jr.
May, Lawrence A.
May, Roger J.
Mayman, Chaim I.
Maynard, Edwin P. III
Mayo, Clara
Mazur, John M.
McAlpine, Frederick S.
McArdle, Richard B.
McArthur, Janet W.
McCabe, Charles J.
McChesney, James D.
McCluskey, Robert T.
McCormack, William M.
McCormick, Mark G.
McCourt, William F.
McCullough, Willlie D.
McCully, Kumer S.
McDermott, John
McDermott, William W., Jr.
McEnany, M. Terry
McIlduff, Joseph B.
McKenna, Paul
McKinlay, John B.
McKittrick, John B.
McKusick, Kenneth A.
McLaughlin Ambrose P. III
McLean, David I.
McLoud, Theresa C.
McManama, George B.
McMeekin, Thomas O.
McNeely, William F.
McNeil, Barbara J.
McPeek, Bucknam
McPhee, Gerard M.
Medrek, Theodore F.
Melski, John W.
Mendiondo, Oscar A.
Ment, Laura R.
Merk, Linda P.
Merowitz, Martin
Messner, Edward
Meyer, Robert M.
Michaels, Howard B.
Micheli, Lyle J.
Michelson, Jost J.
Mickey, John V.
Mignone, Robert J.
Mihm, Martin C., Jr.
Miller, Alexander L.
Miller, Elliot V.
Miller, Janet C.
Miller, Keith W.
Miller, Lawrence M.
Miller, Matthew A.
Miller, Stephen W.
Miller, Susan E.
Miller, Wayne A.
Milligan, Janice E.
Mills, John A.
Mills, John W.
Miner, Richard L.
Minguez, Maria C.
Minichiello, William E.
Minter, Richard E.
Mitchell, Michael E.
Moellering, Robert C.
Mohr, Jay Preston
Momose, K. Jack
Montaz, Khosrow T.
Monaco, Anthony P.
Monroe, Carl B.
Moolten, Frederick L.
Moore, Francis C.
Moore, Gordon T.
Moore, Melinda
Moore, Michael J.
Moran, Virginia A.
Morgan, Edward J.
Morgan, Richard J.
Morikawa, Yasuhide
Morin, Christopher J.
Morison, Warwick L.
Morris, Philip J.
Morris, Roger H.
Mosher, David B.
Moss, Jonathan
Moylan, Fergus
Mueller, Harry L.
Mueller, Peter R.
Muenchow, Sharon K.
Muirhead, Donald M., Jr.
Muller, Betty J.
Muller, James J.
Mulley, Albert G.
Mulliken, John B.
Mullin, Charles S.
Munford, Robert S.
Murphy, Annetta L.
Murphy, Douglas A.
Murphy, George F.
Murphy, Janice A.
Murphy, Richard A.
Murray, Barbara E.
Murray, Brian P.
Murray, Brian W.
Murray, George B.
Murray, Joseph E.
Murray, Marguerite E.
Murray, William T.
Nadas, Alexander S.
Nagel, Denise M.
Nagin, Joshua G.F.
Nardell, Edward A.
Nardi, George L.
Nasir-Un-Din
Neary, Joseph T.
Neel, Hartley S.
Neely, Stephen M.
Neer, Robert M.
Neff, Courtney C.
Neiberg, Norman A.
Nelson, Curtis N.
Nelson, James H.
Nelson, Michael H.
Nemiah, John C.
Neu, Carlos A.
Neuhauser, Duncan
Neuhauser, Edward B.
New, Paul F.J.
Newberg, Arthur H.
Newbower, Ronald S.
Newell, John L.
Newhouse, Jeffrey H.
Nicholas, Allen B.
Nieh, Peter T.
Nielsen, Heber C.
Nikrui, Najmosama
Nishino, Hoyoku
Niv, Avigdor I.
Nolan, James A.
Noon, James P.
Norris, Stephen H.
Novelline, Robert A.
Novotny, Jiri
Nozik, Daniel L.
O'Brien, J. Patrick
O'Connor, Joseph R.F.
Oh, Indong
Oh, Won Hwan
O'Hara, Patrick
Ohman, John L., Jr.
Ohtaka, Michio
Ojemann, Robert G.
Okayama, Minoru
O'Keefe, Dennis D.
Okun, Milton R.
Olds, G. Richard
O'Leary, Daniel H.
O'Malley, John E.
O'Malley, Patricia J.
O'Malley, Terrence A.
Onifer, William M.
Orenstein, Neil S.
Orkin, Roslyn B.
O'Rourke, Patricia P.
Ottinger, Leslie W.
Ouellette, Andre J.
Ovaska, Nancy A.
Overgaard, Jens
Overgaard, Marie
Ozer, Howard, Jr.
Pachas, William N.
Palacios Urdaneta, Igor

Paley, Robert H.
Pang, Kam-Yee Y.
Panny, Susan R.
Panowicz, Thomas B.
Paolitto, Frank J.
Paretti, Joseph P.
Parker, John A.
Parker, Stephen W.
Parkhurst, Edward C.
Parks, Joe M.
Parmelee, Dean X.
Parnes, Jane R.
Parrish, John A.
Parsons, John Anthony
Pasternak, Mark S.
Pasternak, Richard C.
Pastra-Landis, Styliani C.
Patel, Dineshkumar
Pathak, Madhukar A.
Patterson, Mary Kay
Pauker, Stephen G.
Pauker, Susan P.
Pawlowski, Margaret M.
Pease, Francis B.
Peebles, Richard R.
Peebles, Thomas C.
Peimer, Clayton A.
Pelliniemi, Tarka-Terttu T.M.
Perler, Bruce A.
Perlman, Jon A.
Perlo, Vincent P.
Pessin, Michael S.
Peters, Charles
Peterson-Dahl, Eva
Pettersson, Erna E.
Peyster, Robert G.
Pfister, Richard G.
Philbin, Daniel M.
Philip, James H.
Phillips, Anne W.
Phillips, Harry R. III
Picard, Ernest H.
Pier, Arthur S., Jr.
Pierce, Donald S.
Pilch, Ben Z.
Pinegree, Richard G.
Pinn, Vivian W.
Pitman, Susan A.W.
Plate, Janet M.
Pohost, Gerald M.
Poitras, James W.
Poletti, Charles E.
Pollard, James J.
Pollard, Thomas D.
Pollen, Daniel A.
Pont, Allan
Pontoppidan, Henning
Porter, Huntington
Poskanzer, David C.
Poss, Robert I.
Post, Diana E.
Potsaid, Majik S.
Potts, John T.
Powell, Robert O.
Powell, William J., Jr.
Powers, Eric
Prat, Jaime
Prien, Edwin L., Jr.
Pringle, Michael J.
Proppe, Karl H.
Prot-Wald, Janine
Prout, George R., Jr.
Pruitt, Amy A.
Pugh, Newell O., Jr.
Purcell, John J.
Putschar, Walter G.J.
Quadri, Sayed
Auaroni, Andrea
Quinby, John T.
Quinby, William C., Jr.
Quindlen, Eugene A.
Quinn, Ruth S.
Raaf, John H.
Rabe, Edward F.
Rabkin, Mitchell T.
Radin, Eric L.
Raines, Jeffrey K.
Raker, Edmond J.
Raker, John W.
Rakusanova, Tamara A.
Ramirez, Lincoln F.
Ramsey, Frederic M.
Ramsey, Paul G.
Rao, R. Subba
Rappaport, Eliezer
Raymond, A. Kevin
Re, Richard N.
Rebeiz, Jean J.
Rechnitz, Gary D.
Record, Eugene E.
Reed, Allan P.
Reeve, Jonathan
Reid, Elizabeth A.
Reilly, James J., Jr.
Reilly, M. Kathleen
Reinhertz, Ellis L.
Reiser, Stanley J.
Remensnyder, John P., Jr.
Renner, John A.
Rever, George W.
Reyersbach, Gertrude C.
Reynolds, Stephen L.
Rhea, James T.
Rhodes, Arthur R.
Rice, Jack O.
Rice, Richard C.
Rich, Tyvin A.
Richardson, Edward P.
Richardson, George S.
Richardson, Walter P.
Richter, James M.
Ridgway, E. Chester
Redgway, Elizabeth W.
Rie, Michael A.
Rieder, Sidney V.
Riggs, Suzanne G.
Rimmer, John D.
Rinaldo, Charles R.
Rinaldo, Jean E.
Rivet, Paul V.
Robbins, Laurence L.
Robboy, Stanley J.
Roberson, Glenn H.
Robert, Nicholas J.
Roberts, Andrew B.
Roberts, James T.
Robertson, Charles W.
Robey, John S.
Robinson, Dwight R.
Robinson, John C.
Robinson, John Charles
Rockoff, Mark A.
Rodkey, Grant V.
Rodrigues, Janine T.
Roemer, Clifford E.
Rogers, William P., Jr.
Rohrbaugh, Joanna B.
Romero, Jorge A.
Ropes, Marian W.
Ropper, Allan H.
Rosario, Reinaldo
Rosen, Harvey M.
Rosenbaum, Jerrold F.
Rosenberg, Earle H.
Posenberger, Peter B-B.
Rosenblatt, Malcolm L.
Rosenblatt, Michael
Rosow, Carl E.
Ross, Brian D.
Ross, Jessica A.
Rossi-Fanelli, Filippo
Rothman, Deborah
Rothman, Jonathan S.
Rothman, Kenneth
Rowe, Carter R.
Rowland, Christopher Van A., Jr.
Rubenstein, Joel J.
Rubin, Lenore J.
Rubin, Nina T.
Rubin, Robert H.
Rubinstein, Joel F.
Runyon, Robert C.
Ruskin, Jeremy N.
Russell, Anthony H.

Russell, Paul S.
Russell, William E.
Rutan, James S.
Rutlen, David S.
Rutstein, David D.
Ryan, John A., Jr.
Ryan, John F.
Ryan, Kenneth J.
Ryan, Russell L.R.
Sabra, Amin F.
Sacknoff, Eric
Sadler, Alfred M., Jr.
Safer, Paul K.
Sagar, Kiran B.
Sagar, Stephen M.
Saide, Judith D.
St., Goar, Walter T.
St. Onge, Richard A.
Sajdel-Sulkowska, Elizabeth M.
Saker, Barry M.
Salam, Maria V.Z.
Salib, Philip I.
Salzman, Edwin W.
Samet, Jonathan M.
Sammons, Villiam A.
Samuels, David A.
Samuels, Martin A.
Sanadi, D. Rao
Sanchez, Guillermo C.
Sanders, Charles A.
Sandler, Allan I.
Snadstrom, Robert E.
Satin, David G.
Sattler, Ann L.
Sauter, Jean F.
Savarese, John J.
Scannell, J. Gordon
Schachar, Norman S.
Shcaffer, Derace L.
Schapiro, Robert H.
Scheinberg, Richard D.
Schiller, Alan L.
Schindelheim, Jonathan P.
Schlaen, Horacio H.
Schlesinger, David H.
Schneider, Robert C.
Schnur, James A.
Schoenen, Jean M.
Schoolnik, Gary K.
Schroder, Edward W.
Schulz, Milford D.
Schuster, Samuel R.
Schwartz, Allan
Schwartz, Dennis E.
Schwartz, Joseph E.
Scott, Gregory E.
Scott, James A.
Scott, Jesse F.
Scott, Mary D.
Scott, R. Michael
Scott, Richard D.
Scully, Robert E.
Sears, John B.
Sederer, Lloyd I.
Sedlacek, Robert S.
Seeman, Robert G.
Segre, Gino V.
Seinsheimer, Frank III
Selden, Steven E.
Seldin, Edward B.
Selinger, Samuel L.
Selter, Lawrence F.
Selwyn, Adrian S.
Senior, Boris
Shaban, Mohammed Abd.
Shafer, Linda C.
Shahani, Bhagwan T.
Shahian, David M.
Shale, JOhn H.
Shama, Steven K.
Shamberger, Robert C.
Shannon, Daniel C.
Shapiro, Robert W.
Shapiro, Stuart H.
Sharp, Geoffrey W.G.
Shaw, Lein-Chua
Shay, Jonathan
Shea, Cornelius
Sheehan, David V.
Sheets, Walter C.
Sheffer, Albert L.
Shershow, John C.
Shetter, Andrew G.
Shields, Lawrence T.
Shiffman, Norman J.
Shih, Vivian
Shipley, William U.
Shklar, Gerald
Shore, Neil S.
Short, Charles L.
Shortliffe, Edward H.
Shurin, Susan B.
Siegel, Mark
Sifneos, Peter E.
Silbermann, Neil N.
Silver, Donald M.
Silver, Marcia R.
Silverberg, Elizabeth L.
Silverstein, Peter R.
Simmons, Barry P.
Simmons, David P.
Simmons, Jeffrey L.
Simon, Harvey B.
Simon, Sheldon
Simpson, Paul C., Jr.
Sinclair, Stephen H.
Sirota, Ronald L.
Sisson, John H.
Skinner, James C.
Skinner, Mary D.
Slater, Eve E.
Sledge, Clement B.
Slocum, Harvey C., Jr.
Slotnick, Bennett S.
Slovik, Lois S.
Smead, William L.
Smith, Arlan R.
Smith, Bruce M.
Smith, Gene M.
Smith, Gerald N., Jr.
Smith, J. Walter
Smith, James C.
Smith, Raymond A.
Smith, Richard J.
Smith, Richard M.
Smith, Richard W.
Smith, Thomas W.
Smith, Thomas William
Snapper, James R.
Snider, Michael T.
Snodgrass, Samuel R.
Snowden, John M.
Snyder, John C.
Sobel, Michael V.
Sober, Arthur J.
Sohier, W. Davies, Jr.
Sokol, Gerald H.
Solomon, Leslie J.
Sonn, Miriam R.
Soriero, Olive M.
Sosman, John L.
Soter, Nicholas A.
Souder, Daniel E.
Southmayd, William W.
Southwick, Frederick S.
Sperk, Gunther J.
Sprince, Nancy L.
Sreter, Frank A.
Stachiewicz, Danuta M.
Stakes, John W. III
Stalvey, Harold D.
Stark, Paul
Staub, Edward M.
Stead, Nancy W.
Steeves, Philip E.
Steinberg, Robert S.
Stene, John K., Jr.
Stephens, Duane D.
Stephenson, Mary L.
Stern, Peter J.
Stern, Robert S.
Stern, Theodore A.
Sternberg, Marc E.
Stetson, Richard P.

Stewart, Robert M.
Stinson, Thomas W. III
Stock, Joseph R.
Stoeckle, John D.
Stone, Bartlett H.
Stone, Jeffrey D.
Stossel, Thomas P.
Strauss, Gary M.
Strauss, Harry W.
Strieder, Denise J.
Strocchi, Paola
Strole, William E., Jr.
Suadeau, Jacques
Suit, Herman D.
Sullivan, Philip R.
Summers, Anne O.
Sun, Edward R.
Sundaram, Pennarthur
Surman, Owen S.
Suzuki, Shigeo
Swann, David A.
Swartz, Morton N.
Sweet, William H.
Szabo, George
Szyfelbein, Wanda M.
Tadmor, Rina
Teft, Edgar B.
Taft, Priscilla D.
Takagaki, Yuko
Takahashi, Masaaki
Talbot, Nathan B.
Tarlov, Edward
Taveras, Juan M.
Taylor, Simeon I.
Teicholz, Judith G.
Teplick, Richard S.
Tepper, Joel E.
Terpstra, Onno T.
Thalinger, Karen D.
Thibault, George E.
Thomson, Ian R.
Thorndike, Janet
Thrift, Mary C.
Thurer, Robert L.
Tilley, Robert F.
Timberlake, William H.
Timothy, Adrian R.
Tobin, Richard E.
Todd, Donald P.
Todres, Israel D.
Tolman, E. Laurie
Tolman, Maurice M.
Tomford, William W.
Tompkins, Eugene R.
Tompkins, Ronald G.
Tonnesen, Marcia G.
Toole, Bryan P.
Toombs, Barry D.
Torre, Joseph J.
Touchette, Paul E.
Trebbin, Wayne M.
Trelstad, Robert L.
Triantafillou, Anastasios N.
Trippel, Stephen B.
Trockman, Gordon J.
Trojanowski, John Q.
Tropea, Andrea
Truax, Bradley T.
Truman, John T.
Tseng, Victor
Tully, George L. III
Twarog, Francis J.
Ulfelder, Howard
Ulman, Kathleen H.
Urcuyo, Rodrigo
Vacanti, Joseph P.
Vaisman, Isaac
VanArsdell, William R.
Vanjonack, William J.
VanPraagh, Richard
vanSonnenberg, Eric
Varadi, Steven
Verhey, Lynn J.
VerLee, Thomas R.
Vezeridis, Michael P.
Vickery, Austin L., Jr.
Vignola, Paul A.
Villar, Luis F.
Vlahakes, Gus J.
Waksmonski, Carol A.
Wales, Lee R.
Walker, Alexander M.
Walker, W. Allan
Walker-Nasir, Evelyne
Wall, Michael A.
Waller, David A.
Walsh, John W.
Walshe, Thomas M. III
Walter, Paul D.
Waltman, Arthur C.
Walton, David S.
Walton, Kenneth G.
Walzer, Sarita G.
Wands, Jack R.
Wang, Chiu-an
Wang, Chiu-Chen
Warfield, George R. III
Warren, Christopher D.
Warren, Richard
Warshaw, Andrew L.
Wasserman, Abby
Watts, Hugh G.
Waud, Barbara E.
Webb, M. Sharon
Weber, Alfred L.
Webster, Edward W.
Weigand, Kurt
Weinberg, Arnold
Weiner, Leonard R.
Weinfeld, Marvin S.
Weinstein, Ellen M.
Weinstein, Howard J.
Weinstein, Louis
Weintraub, Harold P.
Weintraub, Ronald M.
Weiser, Milton M.
Weisman, Avery D.
Weiss, Alfred D.
Weiss, Charles
Weiss, Charles
Weiss, Howard D.
Weissberger, Marshall A.
Weitzman, Sigmund A.
Welch, Charles A.
Welch, Claude E.
Welch, William R.
Weller, Peter F.
Wells, Lionelle D.
Wellum, Glyn R.
Wepsic, James G.
Westphal, Danny M.
Wexler, Laura F.
Wheeler, Edwin O.
Wheeler, Gordon M.
Wheelock, Frank C., Jr.
Whelan, Mary
White, Harold A.D.
Whitmore, Erika L.
Wick, Michael M.
Wicks, Rita M.
Wilkeson, Adele G.
Wilkins, Earle W., Jr.
Williams, Conger
Williams, Larry S.
Williams, Vernon P.
Wilson, Roger S.
Winickoff, Richard N.
Winkler, Gerald F.
Winn, Henry J.
Winslow, Boyd H.
Winzelberg, Gary G.
Wiske, Martha S.
Wittenberg Jack
Witters, Lee A.
Wolfe, Robert R.
Wolff, Robert R.
Wolfson, John S.
Woo, Beverly
Woo, Elaine
Wood, Lawrence C.
Wood, William C.
Woodruff, Lorande M.
Wooldridge, Douglas W.
Worden, J. William

Worley, Gordon
Worobec, Thomas G.
Wray, Shirley H.
Wrenn, Simeon M.
Wyman, Edwin T., Jr.
Yank, Glenn R.
Yett, Harris S.
Yoder, Isabel C.S.
YonKondy, Joanne K.
Young, D. Michael
Young, Hugh H. II
Young, Melvin D.
Young, Richard S.K.
Young, Robert H.
Young, Robert R.
Yurchak, Peter M.
Zack, Michael B.
Zaleske, David J.
Zalitis, Edward E.
Zamenhof, Robert G.A.
Zapol, Warren M.
Zarins, Bertram
Zavisca, Frank G.
Zemer, Deborah
Zervas, Nicholas T.
Zielstorff, Rita D.
Zieper, Irving
Zimbler, Seymour
Zimin, Robert J.
Zitin, Barry R.
Zuckerman, Pamela
Zuger, James H.
Zurawski, Vincent R., Jr.
Zusman, Douglas R.
Zusman, Randall M.

Brewster

Daland, Ernest M.

Bridgewater

Barrows, Lawrence J.

Brighton

Broderick, Thomas F., Jr.
Flynn, Robert E.
Kelley, Charles G.
Loomis, James C.
O'Brien, Richard G.
Paid, Vernon M.
Sullivan, Francis J.

Brockton

Baker, Edward P., Jr.
Courey, W. Robert
Duncombe, Alfred L.
Green, Robert S.
Hershberg, Robert A.
Mixter, Charles G., Jr.
Nebesar, Robert A.
Williams, Robert C.

Brookline

Barton, Theodore C.
Bernstein, Jerrold G.
Brownstein, Carlton S.
Burgin, Leo B.
Chute, Richard
Cline, Herbert S.
Corkery, Joseph C.
Davidson, Gerald E.
Davies, John A.V.
Doonan, James M.
Faxon, Henry H.
Galler, Janina R.
Goldthwait, Joel C.
Hall, Francis C.
Holland, Daniel J., Jr.
Levy, Bernard S.
Linton, Robert R.
Malcolm, John A.
Mushatt, Cecil
Nathan, Louis
Nickman, Steven L.
Nobel Kenneth W.
Noe, Joel M.
Palmer, R. Sterling
Parsons, Langdon
Platt, Orah S.
Potter, Maxwell G.
Russfield, Agness B.
Salveson, Lawrence C.
Schatzki, Richard
Schatzki, Stefan C.
Schlauch, Robert W.
Sidman, Richard L.
Silverman, Samuel
Smith, Barry H.
Thomas, William H.
Villee, Dorothy
Waitzkin, Evelyn D.
Wallace, Lynn
Webster, Richard C.
Whiffen, John R.
White, James C.
Winsor, Allen P.
Wirthlin, LeRoy S.
Wolff, Louis
Yakovlev, Paul I.
Zaudy, Eleanore C.

Burlington

Barrett, John P., Jr.

Cambridge

Ackroyd, Frederick W.
Balch, Franklin G., Jr.
Gilbert, John P.
Gordon, John E.
Growdon, John H.
Hass, Gerald
Howell, Stephen B.
Hubbard, Eliot, Jr.
Jones, H. Walter, Jr.
Kantrowitz, Paul A.
Koumans, Alfred J.R.
Langston, Charles S.
Lawrence, Robert S.
Lees, Robert S.
Leibel, Rudolph L.
Littlehale, Robert F.
Mack, John E.
Mann, Robert W.
Manson, James G.
McFarland, James C.
Merill, Edward W.
Myers, Gordon S.
Paul, Igor L.
Pechet, Maurice M.
Peterson, Veronica S.
Pierce, Chester M.
Porter, Phillip J.
Postel, Sholem
Rawdon, William K.
Rectanus, Daniel R.
Reich, Kenneth I.
Reid, Elizabeth A.
Rendall, Edward S.
Richie, Robert H., Jr.
Ross, Ralph A.
Shelton, William R.
Shortsleeve, Michael J.
Stanbury, John B.
Stone, Alan A.
Sturgis, Sommers H.
Thrasher, Elliot L.
Tingey, William H., Jr.
Umlas, Joel
Wallace, James W.
Weinberger, Jerome L.
Wohl, Martin J.
Wurtman, Richard J.
Wyman, Stanley M.
Yaffee, Howard S.
Zwerdling, Robert G.

Carlisle

Wiesman, Harold J., Jr.

Charlestown

Allukian, Myron, Jr.
Cass, Leo M.
Cromer, Ward J.
Dyer, Edward G.
Godley, Anne F.
Goldstein, Gary S.
Green, Warren F.
Guthrie, Andrew D., Jr.
Havas, Stephen W.
Haynes, Harley A.
Horvath, Ragnhild M.
Jacobson, Alan M.
Laster, James M.
Leet, Robert K.

Lundy, Nancy A.
Riley, John M.
Sachs, Benjamin
Stewart, Rege S.
Sweet, Roger H.
Wang, Chi Shiang
Wasserman, Linda
Waterfall, David E.
Winn, William A. III

Chelsea
Baker, Everett B.
Barkin, Joan W.
Billings, John A.
Oliver, Lanta C.
Richards, Sarah J.
Rinkle, Roy D.
Tantam, Digby J.H.
Winter, Jordan J.

Chestnut Hill
Dwight, Richard W.
Hodgson, John S.
Hoeffel, Gerald N.
Homans, John, Jr.
Knowles, John H.
Simon, Harold
Spellman, John W.
Thorndike, Augustus

Cohasset
Maltz, David L.
Sceery, Robert T.

Concord
Austin, Richard C.
Barrie, Joseph R.
Cantu, Robert C.
Ginandes, Shepard C.
Hadley, Terry P.
Hallenbeck, Dorr F., Jr.
Huizenga, Charles G.
Keuper, Charles S.
Norton, Paul L.
Pugliese, Michael M.
Rudnick, Jeffrey P.
Soutter, Lamar
Strickler, William L.
Toomey, Edward G.

Danvers
Essember, Lawrence J.
Fearer, Nathan H.
Hagopian, Peter B.
Hanlon, Thomas M.
Jones, Wallace A.
Patton, Anthony S.
Tejwani, Nehchal V.

Dedham
Bartlett, Marshall K.
Osborne, Robert K.
Putnam, Henry M.
Sweetnam, George H.

Deerfield
Lynch, Phillip I.

Dover
Akins, Carlton M.
Clowes, George H.A., Jr.
Kinsey-Ruegg, Dera
Santoro, Benjamin T.

East Boston
Carl, Charles W., Jr.
Shreier, Herbert A.

Edgartown
Marzar, Milton

Everett
Lavelle, William G.

Fall River
Hawes, Cornelius H.
Hill, Norman P.
Miller, Abbott R.
Smedley, Lois M.

Falmouth
Bixby, H. Irving
Christman, George
Heffron, Roderick
Palmer, Michael S.

Fitchburg
LeDonne, John E.
Pick, Walter
Walker, George M.

Foxboro
Putnam, James J.

Framingham
Albert, Joseph
Carroll, Brian C.
Denton, Jane E.
Helfant, Murray H.
Ingalls, Theodore H.
Kahn, Robert E.
Leeman, Cavin P.
Senghas, Richard E.

Gardner
McPeak, Clarence N.

Gloucester
Kline, Robert M.
Oder, Frederic E.
Rosenberg, Bruce M.

Great Barrington
Whitfield, Thomas J.

Greenfield
Buchanan, William R., Jr.
Jaros, Robert H.
McClelland, William K.
Moran, James E.

Groton
Pittman, Helen S.

Hathorne
Conboy, Edward A.

Haverhill
Kwass, George F.
Lee, Sherwood B.
Malamud, Michael H.

Hingham
Eldredge, LeRoy L., Jr.
Oppenheim, Arnold R.

Holyoke
Bandeian, Alice M.
Ferguson, Edward L.
Sigelman, David R.

Hyannis
Eldredge, James H.
Garran, Frank W., Jr.
Hazard, Gerald W.
Leland, Katherine A.
Mathewson, Herbert O.
O'Malley, Austin F.
Osmond, John D. III
Rymzo, Walter T.

Ipswich
Gauthier, Jacqueline
Petranek, Joseph R.
Wigglesworth, William C.

Jamaica Plain
Graham, John R.
Luongo, Michael A.
Smith, Joseph A.
Solomon, Harry C.

Lawrence
Fowler, Joseph W. III
O'Shea, James A.
Rosen, Neville
Shoaps, Keith B.

Leominster
Feldman, Geraldine G.
Wheeler, Charles A.

Lexington
Bellinger, Martin J.
Cipolloni, Patsy B.
Friedman, Leonard J.
Kahan, Eileen Blumenthal
Joseph, Alfred T.
Morrall, John F.
Petersen, James A.
Sites, Vincent R.

Lincoln
Keevil, Charles S., Jr.

Lincoln Center
Hardy, Harriet L.

Longmeadow
Hopkins, Frederick S.
Lewis, James
Plotkin, Leonard H.
Rich, J. Gordon
Tractenberg, Howard A.

Lowell
Grant, George J.M.
Letsou, Vasilios G.
Merino-de Villasante, Jorge M.

Norris, Ronald V.
Parsons, Edward F.

Lynn
Attia, Rafik Rizk
Cooperman, Sheldon
Iskander, Adly H.
Perlman, Donald M.
Sarris, Spiros P.
Sloane, Robert E.

Lynnfield
Simons, Laurence H.

Manchester
Fremont-Smith, Maurice
Huntington, Benjamin L.

Marblehead
d'Elseaux, Frank C.
Hopkns, Stanford W.
Kimball, Peter G.

Matapoisett
Empson, Dora R.

Medford
Bennett, Doris R.
Levine, Melvyn B.
Patterson, Arthur K.

Melrose
Glines, George A.
Goldman, Maury A.
Hormell, Robert S.
McCormack, Geraldine A.
Welch, John B.

Milton
DeLorme, Thomas L.
Driscoll, Robert A.
Gregg, Ward I.
McGrath, Edward F.
Sullivan, Eugene R.
Toch, Rudolf
Van Dyke, Wilhelmina

Natick
Hanelin, Joseph

Needham
Forget, Bernard G.
Ostheimer, Gerald W.

New Bedford
Gracia, Robert M.
Lewis, Emory O.
Simmons, Alvin J.
Tripp, Curtis C.
Velho, Lawrence F.

Newburyport
Hochstedler, Rowen M.

Newton
Brant, Rene S.
Cope, Stuart
Esmiol, Pattison
May, George A., Jr.
Renna, Francis S.
Speare, George S.

Newton Centre
Bonner, Francis J.
Carter, Lucille P.
Gill, Benjamin F.
Kennard, Harrison E.
Mueller, Egbert H.
Robinson, Edmond D.
Rutherford, Rondall W.
Smith, Judson A.
Valle, Alice W.

Newton Heights
Brailey, Allen G.
Soloway, Albert H.

Newton Lower Falls
Brownsberger, Carl N.
Drapkin, Mark S.
King, Howard S.
McGinty, John B.
Page, Lot B.

Newtonville
Hermann, Howard T.
Leber, Martin E.

Norfolk
Yatsuhashi, Masao

Northampton
Averill, James H.
Dinale, Franco R.
Tatlock, Hugh

North Andover
Rogers, Horatio
Wallwork, David W.

Northboro
Padget, Charles H.

North Reading
Scanlon, John W.

Norwell
Kearsley, Richard B.
Malouf, Jamil
Mayo, Richard A.

Oak Bluffs
Claydon, Charles T.

Peabody
Lawson, Dexter W.
Lurie, Arthur S.

Pittsfield
Mason, John W.
Tracy, Robert J.

Plymouth
Hurxthal, Lewis M.
Rushforth, David J.

Quincy
Caruso, Michael G.
Ciano, Joseph F.
Gallagher, William F., Jr.
Kulka, J. Peter
McCarthy, Philip L.
MuGugan, A. David
Van Buskirk, David

Randolph
Moore, Robert F.

Revere
Grossman, Milton S.

Rockport
Heath, Clark W.

Roslindale
Linenthal, Arthur J.

Salem
Brennan, Charles G.
Conway, Richard E.
Morse, Frank P.
Richards, Robert S.
Taggart, F. Howard, Jr.
Thompson, Richard H.
Zitin, Melinda K.

Scituate
Joseph, John B.
Pozatek, Zigmunt W.

Somerville
Fosberg, Martin T.
Higgins, James T.
Osler, David C.
Pollard, John T., Jr.

Southbridge
Steiner, Robert W.

South Duxbury
Shirley, J. Newton

South Orleans
Dickson, William A.

South Sudbury
Adelson, William J.

South Weymouth
Emerson, George F.
Kilfoyle, Richard M.
Rounds, Charles E.
Wechsler, James S.

South Yarmouth
Anderson, Elroy E.
Garrett, John W.D.

Springfield
Franseen, Elmer F.
Huston, Lewis L.
Keating, Philip J.
Williams, David W.
Zacarian, Setrag A.

Stoneham
Rolle-Daya, Heike

Stoughton
Marenchic, Michael G.
Sullivan, William H.

Sudbury
Johnson, F. George
Robinson, Michael J.

Swampscott
Cornetta, William J. III
Mayo, Frederick B.
Slater, Eliot M.

Taunton
Murphy, John D.
Teaticket
Taylor, John B.
Topsfield
Fienberg, Robert
Vineyard Haven
Butler, Allan M.
Waban
Cares, Herbert L.
Garrey, Walter E.
Green, Sidney
Moncure, Ashby C.
Olin, Harry S.
Simmons, Barry P.
Wakefield
Cohen, Saul H.
Fiascone, Arnold D.
Rosenthal, Murray K.
Waltham
Agranat, Barry J.
Anderson, Donald F.
Arnett, Faye B.
Barber, Doris E.
Edelstein, Leon M.
Hardy, Irad B.
Holmes, Joseph A.
Jungalwala, Firoze B.
Kety, Josephine G.
Kumar, Anil
Lewis, Joseph L.
Mackay, Harry A.
McCluer, Robert H.
Milunsky, Aubrey
Ouellette, Eileen M.
Papas, Arthur N.
Pinto, Maria C.B.
Shulman, Leonard B.
Sidman, Murray
Spench, Richard J.
Stoddard, Lawrence T.
Stoffyn, Anne Marie
Stoffyn, Pierre J.
Valle, Calixto C.
Williams, Roger S.
Zola, Irving K.
Wareham
Lincoln, James
Watertown
Feinhandler, Sherwin J.
Wellesley
Cartlin, Randolph, Jr.
Flanagan, Norris B.
Garrett, John C.
O'Sullivan, Renee B.
Phillips, Edgar B. II
Srifler, Richard B.
Wellesley Hills
Adams, Herbert D.
Bell, George O.
Cohen, John M.
Parker, Jack S.
Pfeffer, William, Jr.
Prather, George C.
Reidy, John A.
Siner, Myron
Stempien, J. Henry
West Concord
First, Robert A.
Ruboy, Jordan S.
Saef, Edward C.
West Dennis
Derrick, Charles C.
West Harwich
Carney, Henry J.
West Newton
Kelley, Sylvester B.
Willer, Lee H.
Weston
Choras, Peter T.
Clark, John G., Jr.
Donahoe, Patricia
Duffy, Frank H.
Gauld, A. Gordon
Haessler, Herbert A.
Harper, Gordon P.
Moreton, John R.
O'Shea, Kathleen T.
Park, Kyung M.
Vaughan, M. Clay
Wilkins, George F.
West Roxbury
Dickson, Dickie B.
Helman, Milton E.
Littman, David
Sasahara, Arthur A.
Stewart, Thomas D.
Tasini, Miriam F.
Williamstown
Reynolds, George S.
Winchester
Annino, Donald J.
Fahey, Stephen R.
Gross, Brian H.
Kaufman, Gustav G.
Kenzora, John E.
Kermond, William L.
Love, Harry M.P.
Marks, George A.
McLean, John D.
Woburn
Murphy, Michael D.
Woods Hole
Acheson, George H.
Egloff, Frank R.L.
Worcester
Benedict, Karl T., Jr.
Carmody, John T.B.
Cohen, Elliott L.
Cutler, Bruce S.J.
Damiani, C. Robert
DeGirolami, Umberto
Duggan, John A.
Gibson, James M.
Harper, Robert S.
Hermann, John B.
James, Lewis P., Jr.
Janower, Murray L.
Johnson, Verner S.
Kadish, Sidney P.
Lingley, James R.
Miller, Erwin C.
Morris, Madeline B.
Oakley, Joseph C.
Starobin, Oscar E.
Stone, Bernard B.
Vander Salm, Thomas J.
Weiner, Milton A.
Wheeler, Bancroft C.
Yankauer, Alfred
Zmyslowski, Walter P.

MICHIGAN

Ann Arbor
Behrendt, Douglas M.
Bishop, Ronald C.
Harrison, Timothy S.
Quarton, Gardner C.
Smillie, John W.
Sweet, Robert B.
Waldron, Alexander M.
Birmingham
Arnstein, A. Robert
Leach, Charles A., Jr.
Russell, Henry N., Jr.
Detroit
DelGuidice, Peter A.
Eyler, William R.
Frame, Boy
Mitchell, David C.
Osius, Eugene A.
Prus, Alphonse M.
Smith, W. Pierce
Sphire, Raymond D.
Stiefel, Daniel M.
Sweeny, Donald N., Jr.
Youn, Chang H.
Zuelzer, Wolfgang W.
Grand Rapids
Beeman, Carl B.
Herndon, James H.

Grosse Pointe
Blodgett, William H.
Krickstein, Herbert I.
Zukowski, Henry J.
Ionia
Tannenheimer, John F.
Iron Mountain
Alexander, William H.
Jackson
Munro, Nathan D.
Traverse City
Esslinger, John O.
Livonia
Abrahams, Saliem M.
Larson, Ronald R.
St. Claire Shores
Seebacher, Jurgen

MINNESOTA
Golden Valley
Popkin, Michael K.
Minneapolis
Allen, David W.
Croll, Diane
DeCesare, Ronald E.
Florence, David W.
Fraley, Edwin E.
Goetz, Frederick C.
Johnson, Norman P.
Kennedy, Byrl J.
Markland, A. Colin
McKhann, Charles F.
Okagaki, Takashi
Peterson, Harold O.
Pohl, John F.
Rodgers, Richard S.
Wang, Yang
Rochester
Brubaker, Richard F.
Haines, Samuel F.
Helmholtz, Henry F., Jr.
Karnes, William E.
Randall, Raymond V.
Weinshilboum, Richard M.
St. Paul
Brier, Arnold M.
Ramirez-Lassepas, Manuel

MISSISSIPPI
Holly Springs
Young, Thomas K.
Jackson
Davies, Fred G.
Glass, D. David
Guyton, Arthur C.
Irwin, Robert J., Jr.
Tonnesen, Alan S.
Weems, William L.

MISSOURI
Chesterfield
Stephens, William A.
Clayton
Volpe, Joseph J.
Columbia
Hahn, Michael J.
Fort Leonard Wood
Pierce, R. Wendell
Kansas City
Asher, Marc A.
Dann, David S.
Pickard, Nicholas S.
Trowbridge, Ellsworth H., Jr.
St. Joseph
McDaniel, John R.
St. Louis
Alpers, David H.
Chaplin, Hugh, Jr.
Dodd, Robert B.
Feigin, Ralph D.
Funsch, Robert E.
Gaunt, Frank P.
Gelb, Lawrence D.
Hanaway, Joseph
Hanser, Theodore H.
Hershey, Falls B.
Kotner, Lawrence M.
Majerus, Philip W.
Maughs, Sydney B.
Mendelsohn, George E.
Miller, Jule P., Jr.
O'Brien, Robert M.
Owens, William D.
Prensky, Arthur L.
Robins, Eli
Scruggs, Karen L.
Shuter, Eli R.
Strauss, Arthur E.
Trenton
Fuson, W. Arthur
University City
MacDougal, Bruce A.
Webster Groves
Doisy, Edward A., Jr.

MONTANA
Livingston
Ricks, John E.

NEBRASKA
Omaha
Luikart, Ralph H.

NEVADA
Las Vegas
O'Rourke, Dermot A.
Reno
Cantlon, Edwin L.
Fischer, John R.

NEW HAMPSHIRE
Alton Bay
Miller, Carroll C.
Concord
Heston, Julie L.
Mintz, E. Ross
Dover
Adams, Patricia C.
Dublin
Meath, James A.
Exeter
Curtin, Richard R.
Heyl, James T.
Mixter, Charles G., III
Freedom
Pippitt, Richard B.
Greenfield
Bell, John F.
Hampstead
Cserr, Robert
Hanover
Friedman, Matthew Joel
Gundersen, Sven M.
Harris, Edward D., Jr.
Heyl, Henry L.
Hunter, Ralpp W.
Lipowski, Zbigniew J.
Staples, O. Sherwin, Jr.
Jaffrey
McKittrick, Leland S.
Jaffrey Center
Millard, D. Glynn
Keene
Ash, Homer L.
Gregory, Harold E.
Laconia
Baker, William J.
Lancaster
Strayer, Luther M., Jr.
Manchester
Walker, Jerome K.
Nashua
Berrien, Frederick B.
North Conway
Pippitt, Richard B.
Peterborough
Watkins, Arthur L.
Plymouth
Townsend, James H.
Seabrook Beach
D'urso, John J.
Sunapee
Dickson, Carol C.

Temple
Rock, John

NEW JERSEY
Camden
Zinniger, George F.
Eatontown
Smith, Richard H.
Elizabeth
Gorman, Rosemary V.
Englewood Cliffs
Roberts, Charles D.
Fort Dix
Bough, Edward W.
Fort Lee
Brauner, Gary L.
Glen Ridge
D'Alessandro, Genesio L.
Highstown
Munro, Jeanette
Long Branch
Lopano, Angelo J.
Madison
Diehl, Sylvia D.
Milburn
Leeds, Harold C.
Schlessinger, Leslie D.
Monclair
Greene, Robert G.
Morristown
Guss, Stephen B.
Newark
Schaaf, Royal S.
New Brunswick
Kuhn, William G., Jr.
Paterson
Van Eerde, Albert
Princeton
Dalrymple, Willard
Rothberg, Harvey D., Jr.
Princeton Junction
Pierson, Joseph D., Jr.
Rahway
Vagelos P. Roy, Sr.
Short Hills
Willetts, Arthur T.
Shrewsbury
Judd, Alvan B.
Springfield
Wosnitzer, Morey
Trenton
Rosenthal, Albert L.
Voorhees, Schantz, Arthur S

NEW MEXICO
Alburquerque
Alder, Scott
Gold, Gerald N.
Kinney, Robert J.
Means, Paul H.
Parnell, Edward
Williams, Ralph C., Jr.
Las Vegas
Hutchison, David
Los Alamos
Grier, Robert S.

NEW YORK
APO
Campbell, Carlos C.
Dehner, Gerald A.
Goldman, Mark R.
Krudy, Adrian G.
Zaidan, James R.
Albany
Holt, William L., Jr.
Lozada, Rommel G.
Thomas, Wilbur A.
Atlantic Beach
Fischer, Beverly Ruth
Batavia
McCune, William S.
Bath
Traver, Ralph F.
Bronx
Abramowicz, Mark
Baddock, Sheldon S.
Fisher, Michael
Foldes, Francis F.
Greenhill, Maurice H.
Trieger, Norman
Ulick, Stanley
Bronxville
Lambert, John T.
Brooklyn
Anderson, H. Clarke
Buffalo
Bakay, Louis
Barlow, Joseph J.
Calkins, Evan
Guntupalli, R.M.D.V. Prased
Hummel, L. Edgar
Klein, David M.
Klein, Edmund
Cambridge
Amick, Arthur F.
Cold Srpings Harbor, Long Island
Walker, Peter F.
Cooperstown
Butler, Henry E.
Klenk, Eugene L.
Mackie, Robert W.
McIver, Monroe A.
Sahler, Otto DeP.
Delmar
Berg, Howard W.
Fairport
Platzer, William R.
Glen Falls
Batt, Richard C.
Huntington
Schecter, William P.
Kenmore
Schenk, Worthington G., Jr.
Kingston
Gorman, Mary L. Gannon
Larchmont
Haralambie, James W.
Little Neck, Long Island
Wenig, Martin
Manchester
Bienvenu, Lester J.
Manhasset, Long Island
Ayers, William B.
Coffey, Edward L., Jr.
Nicosia, Arnold P.
Mayville
Lynch, Phillip I
Mechanicville
Ryan, James P.
New Hartford
Millet, J. Bradford
New York City
Abel, Ronald M.
Ackerman, A. Bernard
Bowden, Lemuel
Buchanan, Thomas M.
Carroll, Robert E.
Chen, Lincoln C.
Cohn, Zanvil A.
Dole, Vincent, P., Jr.
Eaton, Richard G.
Edelman, Gerald M.
Edelson, Richard L.
Eisenstadt, Michael L.
Finkenstaedt, John T.
Franklin, John E., Jr.
Goldblatt, Myron E.
Grant, Lester H.
Grossbard, Elliott B.
Hofer, Myron A. II
Katz, Arnold M.
Kiely, Brian
Lake, Michael
Loeb, John N.
Loeb, Robert F.
Los, Edward J.
Luck, David J.L.
Maier, John
Matta, Raymond J.
McGovern, Thomas P.
Metcalf, Kenneth M.

Moore, Burness E.
Noone, P. Francis
Oster, Martin W.
Packert, Richard C.
Patterson, Robert L., Jr.
Peterson, Hart deC.
Plank, Charles R.
Quan, Stuart
Rovit, Richard L.
Scheflan, Michael
Schwartz, Gabriel H.
Silverstein, Samuel C.
Steinman, Ralph M.
Stenger, Richard J.
Thomas, Stephen J.
Twombly, Gray H.
Watson, James W.
Watson, Robert F.
Wilson, Philip D., Jr.

Niagra Falls
McDonald, William

Pittsford
Hainen, Ronald L.

Poughkeepsie
Bedrell, Wallace C.
Keeley, James K.

Rochester
Allison, Charles R.
Berg, Robert L.
Burton, Richard I.
Chamberlin, Robert W., Jr.
Crawford, Henry B.
Gillies, Alastair J.
Griner, Paul F.
Jones, Robert H.
Rosenthal, Susan N.
States, John D.
Stewart, James M.

Scarsdale
Holland, Jimmie C.B.
Lipman, Marivn M.
Seed, John C.

Schenectady
Judd, James M.
Rogers, William A.

Staten Island
Pugliese, Michael M.

Suffern
Bobroff, Lewis M.
Chattha, Amrik S.

Syracuse
Bornstein, Donald L.
Collins, George H.
Gardner, Lytt I.
Greene, Richard W.
Hale, Clayton H.

Upton
Cotzias, George C.
Dahl, Lewis K.

Utica
Case, Carke T.
Knapp, Robert G., Jr.

Valhalla
Williams, Gary M.

Vestal
Pollack, James A.

Watertown
George, H. Louis, Jr.

White Plains
Bercovitch, Lionel G.
Newman, Herbert A.

Williamsville
O'Connor, Thomas A.

Woodbury
Charash, Leon J.

NORTH CAROLINA

Asheville
Morrison, Roger W.
Salisbury, Kent W.

Chapel Hill
Barnett, Thomas B.
Chamberlain, Harrie R.
Craige, Ernest
Gabriel, Don A.
Gottshalk, Carl W.
Hadler, Nortin M.
Haslam, Kenneth R.
Lassiter, William E.
Miller, Milton L.
Monroe, John T., Jr.
Noble, John J., Jr.
Parker, John C.
Preston, Edwin T.
Sparling, P. Frederick

Charlotte
Brenizer, Addison G., Jr.
Eliot, Joseph A., Jr.

Columbus
Placak, Joseph C., Jr.

Concord
Collins, David L., Jr.

Durham
Appel, Stanley H.
DeMaso, David R.
Griffith, John F.
Katz, Samuel L.
Lang, David J.
Lefkowitz, Robert J.
Mullin, Edward M.
Pearse, Richard L.
Peete, William P.J.
Reeves, Robert J.
Sherwood, Geoffrey K.
Smith, Bruce M.
Williams, R. Sanders
Wyngaarden, James B.

Grrensboro
Register, John F.
Spencer, Richard E.
Troxler, Eulyss R.

Hayesville
Talmadge, Sam M.

Jacksonville
Pease, Francis B.

Raleigh
Gada, Preston H.
Manly, Richard S.
Rhodes, John S.
Wooten, E. Jane H.
Worth, Thomas C.
Young, David A.

Southern Pines
Arrowood, Julia G.
McMillan, Robert M.

Winston-Salem
Conrad, Elizabeth

OHIO

Akron
Skoblar, Richard S.
Voke, Edward L.

Bellefontaine
Traul, Richard S.

Canton
Scott, Murray W., Jr.

Cincinnati
Block, Gordon L.
Friedberg, Joseph A.
Gall, Edward A.
Glueck, Charles J.
Kleinman, Leonard I.
Newstedt, J. Roger
Richardson, William R.
Rubinstein, Jack H.
Schneider, Benjamin
Tew, John McL.

Cleveland
Badel, Daniel W.
Banker, Betty Q.
Brodkey, Jerald S.
Cosgrove, Delos M.
Evans, Richard R.
Ford, Amasa B.
Glover, Donald M.
Kendrick, James I.
Kennedy, John H.
Lederman, Richard J.
Pearson, Olaf H.
Pohl, Marc A.
Rhinelander, Frederic W.
Weir, David R.

Columbus
Ellis, Effie O.
George, Jack M.

Haynes, Ruth C.
Haynes, Walter M.
Heggie, John F.
Tetirick, Jack E.
Vasquez-Amory, Ernesto

Dayton
Hockwalk, W. Richard

Moreland Hills
Baumgartner, Donavin A., Jr.

North Canton
Shipley, Margaret S.

Oberlin
Warner, John H., Jr.

OKLAHOMA

Ardmore
Schuler, James D.

Duncan
Morton, Robert O.

Edmund
Carter, George B.

Muskogee
Fite, E. Halsell

Oklahoma City
Bell, James P.
Carey, John M.
Halverstadt, Donald B.
McClellan, Betty J.
Stout, Hugh A.

Tinker AFB
Kent, Peter D.

Tulsa
Greenberg, Martin H.
Steele, Byron W., Jr.

OREGON

Corvallis
Steele, Robert E., Jr.

Eugene
Singer, Kenneth M.

Medford
Barss, Theodore P.
Durno, Edwin R.
Rutter, Thomas

Portland
Baker, Russell L.
Boyden, Allen M.
Dittmore, Harry B., Jr.
Garrison, Penelope K.
Lawrence, G. Hugh
Novy, Miles J.
Prescott, William G.
Ray, Loen F.
Sutherland, Donald W.

PENNSYLVANIA

Ardmore
Sampson, D. Allen

Bangor
Cascario, Nicholas, Jr.

Bethlehem
Leister, Claude M.

Bryn Mawr
Ferguson, James J., Jr.
Stewart, William G., Jr.

Chester
Sewall, Warren

Cochranville
Joplin, Robert J.

Danville
Heath, Robert D.

East Stroudsburg
Michie, Alexander J.

Erie
Monohan, John J.

Gladwyne
Mongomery, Hugh

Grove City
Limkakeng, Alexander

Gwynedd
Stoddard, James K.

Harrisburg
Berkheimer, George A.
Gallia, Francis J.

Hershey
Aber, Robert C.
Babb, Joseph D.
Gentzler, Richard D. II
Lookingbill, Donald P.
Vessell, Elliot S.

Lansdale
Goeringer, C. Frederick

Latrobe
Moran, Thomas W., Jr.

Media
Kitts, Albert W.

Merion
Richter, Howard A.
Satten, Neal R.

Merion Station
Murphy, Grace L.

Mt. Lebanon
Barron, Kenneth G.

Overbrook Hills
Ginsberg, Myron D.

Paoli
Willens, John S.

Philadelphia
Arenson, Ronald L.
Asbury, Arthur K.
Brent, Robert L.
Broennle, A. Michael, Jr.
Carter, James R., Jr.
Dohan, F. Curtis
Dunkman, W. Bruce
Fisher, Mary S.
Gabuzda, Thomas G.
Godleski, John J.
Lau, Yuk-Kai
Leighton, Joseph
Littman, Philip
Mancall, Elliott L.
Mettler, Fred A.
Mundth, Eldred D.
Murray, Thomas G.
Nicholson, Jesse T.
Perrin, George M.
Petersen, Robert Ole
Pietra, Giuseppe G.
Roth, James L. d'A.
Schmidek, Henry H.H.
Schnabel, Truman G., Jr.
Ship, Irwin I.
Span, James F., Jr.
Starr, Isaac
Vaughan, Victor C. III
Waxman, Herbert S.
Wood, Howard P.

Pittsburgh
Bauer, Frank L.
Caplan, Charles H.
Dwyer, John H.
Ferguson, Albert B., Jr.
Field, James B.
Green, William T.
Hakala, Thomas R.
McLaughlin, William B.
Newfield, Phillippa
Oh, Kook Sang
Price, Stuart E., Jr.
Ricks, William B.
Savodnik, Irwin
Tyson, Robert G.
Urquhart, John III

Rosemont
Ming, Si-Chun

Selinsgrove
Bailey, Nelson E.

Springfield
Weinberg, Richard A.

Stroudsberg
Michie, Catherine R.

Wayne
Beck, Laurence H.

Wyomissing
Morrissey, E. James
Morrissey, Eugene J.

RHODE ISLAND

Adamsville
Mason, William

Barrington
Spencer, Jack

Bristol
Scott, H. Denman
Cumberland
Hairabet, John K.
East Greenwich
Alper, Joseph C.
Pawtucket
Deutsch, Stephen D.
Providence
Cotter, Walter C.
Cutts, Frank B.
Flaxman, B. Allen
Hamlin, Hannibal
Hopkins, Robert W.
Land, Richard E.
Lorch, Stephen
Pitts, John D.
Rosen, Richard A.
Sargent, Francis B.
Sawyer, Carl S.
Simeone, Fiorindo A.
Sinclair, Edmond B.
Strom, John O.
Troppoli, Daniel V.
Rumford
Hogan, John F.
Warwick
Madden, Edwin J.

SOUTH CAROLINA

Beaufort
Maffeo, Alphonse A.
Charleston
Summerall, Charles P. III
Talbert, Oliver R.
Columbia
Theus, Walter W.
Florence
Hyman, Vera C.
Fort Jackson
Ross, Jeffrey S.
Greenville
Minette, Lawrence J.
Spartanburg
Bonnetta, Harris L.

SOUTH DAKOTA

Sioux Falls
Barlow, John F.
Wegner, Karl H.

TENNESSEE

Chattanooga
Spalding, Robert
Franklin
Swartz, Jonathan M.
Youmans, John B.
Johnson City
Brindley, Clyde O.
Kingsport
Malloy, Joseph K.
Knoxville
Chernoff, Amos I.
Memphis
Nobles, Eugene R., Jr.
Shaw, John L.
Stern, Newton S.
Nashville
Brown, Charles E.
Buchanan, Robert N., Jr.
Cobb, Cully A., Jr.
Duncan, Gary W.
Hall, H. David
Heller, Richard M.
James, A. Everett, Jr.
Page, David L.
Smith, Marion L.
Smith, Ralphael F.
Oak Ridge
Ruley, Henry B.

TEXAS

Arlington
Murray, David B.
Austin
Winkler, John J.
Beaumont
Hinshaw, Arvil
Corpus Christi
Jenkins, Charles K.
Dallas
Bilheimer, David W.
Binion, John T.
Brown, Michael S.
Goldstein, Joseph L.
Helgeson, Norman G.P.
Jenkins, Marion T.
Martin, Charles L.
Martin, James A.
McCann, Samuel M.
Mills, Lawrence J.
Moore, S. Halcuit, Jr.
Platt, Melvin R.
Rose, Patrick F.
Schneiderman, R. Neal
Smitherman, Thomas C.
Spence, Harry M.
Thompson, Jesse E.
Urschel, Harold C., Jr.
Wheeler, Clarence G.
Willerson, James I.
Williams, J. Richard, Jr.
Williams, Oscar B., Jr.
Denison
Freeman, Don W.
Fort Worth
Key, Robert E.
Rutledge, Robb H.
Sloane, Robert W., Jr.
Houston
Butler, William T.
Crawford, Ernest S.
Jarx, Robert H.
Keats, Arthur S.
Mallette, Lawrence E.
Osborne, Barbara M.
Owen, William R.
Smith, Edward T.
Turner, John D.
Wilde, Henry D., Jr.
Wolf, Laurence E.
Wood, Edwin C.
Zisook, Sidney
Lackland Air Force Base
Brand, Jeffrey B.
Bunting, Douglas III
Lubbock
Varma, Surendra K.
McAllen
Evans, Sheridan S.
San Antonio
Akins, Cary W.
Foley, F. Daniel
Harris, Jerry L.
Seals, John R.
Thompson, Milton S., Jr.
Wichita Falls
Geller, Richard J.

UTAH

Ogden
Keyes, Gale H.
Perkins, Arthur
Salt Lake City
Burton, David A.
Heyes, Edward A.
Johnson, Dale G.
Middleton, Anthony W., Jr.
Nelson, Russell M.
Nielsen, Talmadge W.
Temple, Anthony R.
Young, Clark

VERMONT

Banard
Emans, John B. II
Barre
Buttles, Roy V.
Molind, Samuel E.
Bennington
Baker, Dudley M.
Giddings, W. Philip

Brattleboro
Glick, John L.
Burlington
Donaghy, Raymond M.P.
Kuhlmann, Raymond F.
Leadbetter, Guy W., Jr.
Mazuzan, John E., jr.
Soule, A. Bradley, Jr.
Enosburg Falls
O'Shea, Clare Marshall
St. Johnsbury
Morrison, Harvey R.
Shelburne
Bowen, Charles R.
Lowell, William H., Jr.
Molloy, Maureen K.
Townsend
Decker, Briant L.
West River Junction
Crandell, Walter B.
Learmonth, Suzanne J.

VIRGINIA
Alexandria
Collins, Richard
Arlington
Lieber, Michael M.
Ormandy, Laszlo
Charlottesville
O'Brien, William M.
Swineford, Oscar Jr.
Wood, J. Edwin Jr.
Fort Eustis
Fogelson, Frederick S.
McLean
Bridge, Edward M.
Newport News
Marsland, David W.
Portsmouth
Weiss, Mark A.
Richmond
Blades, James F.
James, G. Watson III
Jones, Basil B.
Jordan, William R.
Sutphin, Adney K.
Thompson, W. Taliaferro, Jr.
Tucker, James T.
Ulmer, Jack L.
Wright, R. Lewis
Roanoke
DeVerter, John S.
Glendy, Margaret M.
Glendy, R. Earle
Wood, Benjamin S.
Vienna
Kimura, Kazuo K.
Lotz, Myron
Virginia Beach
Nuzzo, Roy M.
Williamsburg
Jones, Thomas B.

WASHINGTON
Aberdeen
Cihak, Robert J.
Bellevue
Milam, Daniel F.
Bellingham
Watts, Arthur B.
Mercer Island
Skinner, Alfred L., Jr.
Olympia
Jones, Gordon E.
Seattle
Brown, Norman K.
Kleinman, Arthur M.
Mannik, Mart
McCollum, Richard G.
Odland, George F.
Omenn, Gilbert S.
Patterson, Susan D.
Rutherford, Robert N.
Shurtleff, David B.
Stewart, John E.
Volwiler, Wade
Spokane
Brunes, Carl F.
Johnston, Edward V.
Kleaveland, Richard N.
Tacoma
DuBois, Carol S.
DuBois, Jay G.
Eliel, Leonard P.
Walla Walla
Brooks, Peter T.
Gilbert, Allen C.
Yacima
Mathieu, Thomas J.

WEST VIRGINIA
Beckley
Klingensmith, Walter E.
Charleston
Anderson, Randolph L.
Hills, Henry M., Jr.
Revercomb, Paul H.
Fairmont
Shaffer, Frederick G.
Morgantown
Morgan, Winfield S.
Shaffer, Hubert A.

WISCONSIN
Elm Grove
Schmidt, Robert A.
LaCrosse
Gundersen, Adolf L.
Gundersen, A. Erik
Gundersen, Sigurd B., Jr.
Gundersen, Thorolf E.
Hayden, John W.
Rodman, Charles A. II
Tompkins, Douglas G.
Madison
Albright, Edwin C.
Barsch, John H.
Gordon, Edgar S.
Hopkins, Charles E.
Jarrett, Frederic
Javid, Manucher
Maki, Dennis G.
McClung, John L.
Osborn, June E.
Marshfield
Pederson, Donald P.
Milwaukee
Pederson, Donald P.
Milwaukee
Barrow, David W.
Blodgett, Frederick M.
Conley, James E.
Holbrook, Arthur A.
Kerrigan, Gerald A.
Litwin, S. Bertrand
Princeton
Mueller, Gustave C.E.

ARGENTINA
Buenos Aires
Bordone, Lilia E.

AUSTRALIA
Camperdown
Atkinson, Kenneth H.
Lane-Brown, Malcolm M.
Highgate
Morley, Helen R.
Medindie
McCoy, William T.
Melbourne
Colquhoun, John B.
Parkville
Niall, Hugh D.
Sydney
Slater, Barbara L.
Victoria
Fell, Gary

BELGIUM
Brussels
Frederick, Elizabeth S.

BRAZIL
Rio de Janeiro
Albuquerque, Paulo F.
Mattoso, Luiz F. deQ.
Sao Paulo
Barretto, Oscar deF.

CANADA
Calgary
Walker, Robert H.
Edmonton
Huckell, John R.
Kingston
Taguchi, Kenneth
Kitchener
Tallon, John B.
Lancaster
Gregory, Robert A.
London
Cameron, Howard S.
Fox, Lowell E.
Sober, Stanley
Montreal
Davanloo, Habibolah
Greenwood, Frederick A. H.
Hogg, James C.
Johnson, Louis G.
Kahn, David S.
Shannon, James G.
Shugar, Joseph L.
Olds
Burland, George R.
Ottawa
DesGroseilliers, Jean-Pierre
Rexdale
Greisman, John J.
St. Johns
Holt, Charles L.
Scarborough
Melvin, William J.S.
Sherbrooke
Merminod, Andre E.
Sudbury
Field, Paul
Toronto
Cooper, Joel D.
Froese, Alison B.D.
Gardiner, William J.
Harris W. Robert
Holmes, R. Brian
McIlroy, William J.
Ritchie, Alexander C.
Sellers, Edward M.
Simone, Andrew A.
Vancouver
Bell, Michael H.
Clement, Philip B.
Dunn, William L.
West Hamilton
Detwiler, Robert C.
Westmount
Wesler, Marvin J.
Winnipeg
Adamson, Gilbert L.
Carmona, Robert A.
Mittler, Gerry R.
Thurlbeck, William M.

CHILE
Santiago
Williamson-Lefort, Ladislao

COLUMBIA
Bogota
Salamanca, Juan J.
Saravia, Rafael

DENMARK
Copenhagen
Ibsen, Bjorn
Probst, Jan-Henrik
Hellerup
Anderson, Erik W.

ENGLAND
Birmingham
Trethown, William H.
London
Birnbaum, Howard W.
Edsall, Geoffrey
Ogus, Hugh D.
Raff, Martin C.
Yates, Colin
Menston
Allen Terence R.
Mill Hill
Raff, Martin C.
Oxford
Fagenholz, Linda S.L.
Gallico, G. Gregory III
Morris, Peter J.
Sheffield
Russell, Robert G.
Southampton
Lowe, Robert

FRANCE
Lyon
Michel, Albert J.D.
Paris
Kernan, Reginald D.
Strasbourg
Kock-Weser, Jan

GERMANY
Dusseldorf
Von Pohl, Joachim W.
Munich
Harder, Hans J.
Huppe, Justin R.
Pinnell, Sheldon R.

GREECE
Athens
Arzimanoglu, Anthony A.
Kapellakis, George Z.
Zaoussis, Alexander L.

GUATEMALA
Guatemala City
Guchs, Pablo
Herrar, Rudolfe E.
Sosa, Dagoberto
Toriello, Julio

HAITI
Port-au-Prince
May, Harold L.

HOLLAND
Amsterdam
Donner, Reynout

ICELAND
Reykjavik
Halldorsson, Thorlakur S.
Hallgrimsson, Jonas
Kristjansson, Haukur

INDIA
Bombay
Rebello, Desire J.A.
Yodh, Shyam B.
Calcutta
Hughes, James R.
Ludhiana
Wysham, Donald N.
New Delhi
Pant, Shyan S.
Singh, Madan M.
Tandon, Rajendra

INDONESIA
Jog Jakarta
Parson, William

IRAN
Shiraz
Barekat, Ali A.
Esmaili, Mohammad H.

Tehran
Saidi, Farrokh
Samiy, Hussein E.

IRELAND
Belfast
Gibson, John G.
Johnston, Hilary
Dublin

ISRAEL
Haifa
Hemli, Jesaiachu A.
Jerusalem
Rosenbaum, Milton
Petah Tiqva
Laron, Zvi
Tel-Aviv
Geller, Eran
Heilbronn, Yechiel D.

ITALY
Milano-Affori
Mangoni, Alfonso

JAPAN
Tokyo
Hoshi, Motonori
Yokoyama, Mitsou M.
Yoshikawa, Hideyasu

LEBANON
Beirut
Abi-Torbey, Khalill
Kirkwood, Samuel B.

MEXICO
Aguascalientes
Ramirez-Acosta, Javier A.
Ensenada
Freeman, Norman E.
Mexico City
Chavez-Peon, Federico
Santacruz, Abraham M.

NETHERLANDS
Rotterdam
Vanvroonhoven, Theo. J.

NEW ZEALAND
Dunedin
Blennerhassett, John B.
Ragsdale, Bruce C.

NIGERIA
Aba
Onwukwe, Mba Felix
Logos
Baldwin, Wayne E.
Nova Scotia
Marshall, Clyde S.

PERU
Lima
deMola, Luis L.

PHILIPPINES
Davao City
Calderon, Doninador C.
Manila
Canlas, Benjamin D., Jr.
Quezon City
Bautista, Florosa A.

POLAND
Warsaw
Kacki, Janusz F.

PUERTO RICO
Cieba
Ring, Ernest J.

REPUBLIC OF THE CONGO
Johannesburg
Saffer, S. David
Zaire
Cardenal, Fernando

REPUBLIC OF PANAMA
Panama
Suescum, Alfredo

SAUDI ARABIA
Jiddah
Mull, J. dennis

SCOTLAND
Glasgow
Hurt, R. Wayne
Mital, Mohinder A.

SWEDEN
Lund
Thomson, Dick A.

SWITZERLAND
Basel
Hugin, Werner
Flawil
Seiler, Rolf W.
Geneva
Mach, Bernard F.
Muller, Alex T.
Muller, Walter A.

TAIWAN
Taipei
Kao, Ming C.

THAILAND
Bangkok
Stewart, Michael M.
Sujatanond, Manit

TURKEY
Istanbul
Yenel, Faruk, M.

UGANDA
Kampala
Kanverezi, Bwogi R.
Venezuela
Solis, Oscar J.

VIRGIN ISLANDS
St. Thomas
Howard, Fred H.

YUGOSLAVIA
Belgrade
Petrovitch, George
Zagreb
Milas, Luka

PLANNED GIVING
WILLS AND BEQUESTS

The founding of the Massachusetts General Hospital in 1811 and its notable service over the succeeding years have been made possible in large part by generous gifts and bequests. Now, in addition, planned giving arrangements, including the gift annuity, the charitable remainder unitrust, the charitable remainder annuity trust, and the pooled income fund, are available — and are being used — to the mutual benefit of donors and the hospital.

Funds may be left by will to the Massachusetts General Hospital in one or more of the following ways:

A cash bequest leaves a specific dollar amount.

A bequest of all or a stated percentage of the residue of an estate gives the hospital all or such stated percentage of the balance of the estate after payment of debts, taxes, expenses of administration, and specific bequests.

A bequest of a remainder of a charitable remainder trust after a life estate in a surviving spouse or other beneficiary (ies) gives the hospital all or a portion of the principal sum of such trust following the death of the spouse or other life beneficiary (ies).

A contingent bequest makes the hospital the beneficiary only in the event that other designated beneficiaries fail to survive the donor.

Should you plan to include the hospital in your will — or should you be interested in one of the types of gifts describing above — the hospital could suggest to you or your lawyer specific wording for carrying out your wishes.

Joseph C. Donnelly, Jr., Director of Development (telephone: 726-2200), would be pleased to hear from you and to provide whatever information you or your lawyer may seek.